



PRODUCT GUIDE

Specialty Resins



KELLON SCIENCE COMPANY



Table of Contents

| | | |
|-------------------------------|---|----|
| KELLOMER | EPOXY ACRYLATES | 1 |
| | ALIPHATIC URETHANE ACRYLATES | 5 |
| | AROMATIC URETHANE ACRYLATES | 21 |
| | POLYESTER ACRYLATES | 23 |
| | HIGH REFRACTIVE INDEX ACRYLATES | 25 |
| | LOW REFRACTIVE INDEX ACRYLATES | 27 |
| | WATER BASED ACRYLATES | 29 |
| | SILICONE ACRYLATES | 31 |
| | MELAMINE ACRYLATES | 35 |
| | BUTADIENE ACRYLATES | 37 |
| | ADHESION PROMOTERS | 39 |
| | ACRYLIC ACRYLATES | 43 |
| | CAPROLACTONE ACRYLATES | 45 |
| | AMINE ACRYLATES | 49 |
| | LED CURABLE ACRYLATES | 51 |
| STAR BRANCHED ACRYLATES | 53 | |
| KELLONIX | ALKALINE DEVELOPABLE PHOTORESIST BINDER | 55 |
| | TIN-FREE ACRYLATES | 59 |
| KELLOBRID | ORGANIC-INORGANIC HYBRID MATERIAL | 61 |

Table of Contents

| | | |
|-------------------------------|---|-----|
| KELLOMER | UV ADHESIVES ACRYLATES | 63 |
| | HIGH HARDNESS ACRYLATE | 65 |
| | LOW VISCOSITY ACRYLATES | 69 |
| | UV INK JET ACRYLATES | 73 |
| | FLEXIBLE DISPLAY ACRYLATES | 75 |
| | BIOBASED ACRYLATES | 77 |
| | HIGH ELONGATION ACRYLATES | 79 |
| | HIGH CURE SPEED ACRYLATES | 83 |
| | HIGH TENSILE STRENGTH ACRYLATES | 87 |
| | GOOD SOLVENT RESISTANCE ACRYLATES | 89 |
| | HIGH CONVERSION ACRYLATES | 99 |
| | HIGH GLOSS ACRYLATES | 105 |
| | GOOD WEATHERABILLY ACRYLATES | 109 |
| | 3D PRINTER ACRYLATES | 111 |
| | SELF HEALING ACRYLATES | 113 |
| GOOD FLEXIBLE ACRYLATES | 115 | |
| UV SF ACRYLATES | 121 | |
| KELLOCRYL | ACRYLIC RESINS | 123 |
| KELLOKYD | SHORT OIL ALKYDS | 143 |
| | MEDIUM OIL ALKYDS | 143 |
| | MODIFIED OIL ALKYDS | 145 |
| | OIL FREE ALKYDS | 147 |
| KELLOSTER | UNSATURATED POLYESTER RESINS (WAX TYPE) | 149 |
| | UNSATURATED POLYESTER RESINS (WAX FREE) | 151 |
| | SATURATED POLYESTER RESINS | 153 |
| KELLORESIN | SOFT FEEL RESINS | 155 |
| KELLOMIN | AMINO RESINS | 157 |
| KELLONATE | POLYISOCYANATES | 157 |

KELLOMER Epoxy Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LK-1001 | Bisphenol A epoxy diacrylate Fast cure response Light color High gloss Good hardness | 2 | - | 100 max | 7,000 (60°C) | 1.559 | <2 | 100 | 800 | 80 | 450 | 2H |
| KELLOMER LK-1002 | Bisphenol A epoxy diacrylate Fast cure response Light color High surface hardness High chemical resistance High gloss finish | 2 | HDDA 20 | 100 max | 11,900 | 1.537 | <2 | 80 | 790 | 78 | 450 | 3H |
| KELLOMER LK-1003 | Bisphenol A epoxy diacrylate Fast cure response Light color High gloss Good hardness | 2 | TPGDA 25 | 100 max | 26,100 | 1.530 | <2 | 75 | 770 | 76 | 450 | 3H |
| KELLOMER LK-1004 | Bisphenol A epoxy diacrylate Fast cure response Light color High gloss Good hardness | 2 | TMPTA 20 | 100 max | 53,000 | 1.542 | <2 | 80 | 700 | 77 | 450 | 3H |
| KELLOMER LK-1007 | Difunctional modified epoxy acrylate Fast cure response Good pigment wetting | 2 | - | 200 max | 40,000 | 1.539 | <3 | 100 | 800 | 83 | 450 | 3H |
| KELLOMER LK-1008 | Modified epoxy diacrylate with flexibility Fast cure response Improved flexibility High gloss Good abrasion resistance Good adhesion to plastic | 2 | TMPTA 20 | 200 max | 40,000 | 1.524 | <3 | 80 | 1,000 | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 4,750 | 2 | >100 | 7 | 136 | 5 | 3 | 3 | 3 | 5 | 3 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish. |
| 3,320 | 6 | 50 | 3 | 137 | 5 | 4 | 2 | 2 | 2 | 4 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish. |
| 4,250 | 7 | 30 | 5 | 136 | 5 | 4 | 2 | 2 | 2 | 4 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish |
| 1,160 | 5 | 80 | 1 | 132 | 5 | 4 | 2 | 2 | 3 | 4 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish |
| 4,630 | 5 | >100 | 5 | 137 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic and wood UV lithographic and screen inks Overprint varnishes Improved adhesion to plastic |
| N/A | N/A | N/A | N/A | N/A | 4 | 2 | 4 | 4 | 2 | 2 | Coatings for plastic and wood Lithographic and screen inks Overprint varnishes Improved adhesion to plastic |

KELLOMER Epoxy Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------------------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-4100 | Phenol novolac epoxy acrylate Fast cure response Light color High surface hardness Good heat resistance Good adhesion to metals, particularly copper | 4 | TMPTA 50 | 100 max | 12,000 | 1.522 | <3 | 50 | 1,200 | 92 | 450 | 4H |
| KELLOMER LP-4200 | Phenol novolac epoxy acrylate Fast cure response Light color High surface hardness Good heat resistance Good adhesion to metals, particularly copper | 4 | TMP(EO) ₃ TA 50 | 100 max | 6,000 | 1.520 | <2 | 50 | 1,300 | 94 | 450 | 4H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 1,700 | 2 | >100 | 2 | 129 | 5 | 4 | 2 | 2 | 5 | 4 | Solder resists for PCB Adhesion to metalized substrates Heat resistance applications |
| 2,630 | 3 | >100 | 1 | 132 | 5 | 4 | 2 | 2 | 5 | 4 | Solder resists for PCB Adhesion to metalized substrates Heat resistance applications |

KELLOMER Aliphatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2000 | Aliphatic urethane diacrylate Good adhesion Low shrinkage Good flexibility Non yellowing Light color | 2 | - | 100 max | 5,000 (60°C) | 1.481 | 100 | 7,000 | 95 | 900 | F |
| KELLOMER LP-2100 | Aliphatic urethane diacrylate Improved flexibility Good durability Non yellowing | 2 | Xylene 25 | 100 max | 1,300 | 1.489 | 75 | 6,500 | 88 | 450 | 6B ↓ |
| KELLOMER LP-2300 | Aliphatic urethane diacrylate Light color Low odor Good durability Good flexibility Non yellowing | 2 | Toluene 15 | 100 max | 26,000 | 1.495 | 85 | 6,500 | 90 | 1,810 | 5B |
| KELLOMER LP-2302 | Aliphatic urethane diacrylate oligomer Good scratch and abrasion resistance Superior stain resistance and non-yellowing Exterior durability and toughness | 2 | Toluene 20 | 100 max | 5,000 | 1.495 | 80 | 6,000 | 91 | 1,810 | 2B |
| KELLOMER LP-2502 | Aliphatic urethane diacrylate oligomer Low shrinkage Good adhesion to substrate Excellent flexibility Light color Non yellowing | 2 | - | 100 max | 1,300 (60°C) | 1.489 | 100 | 12,700 | 96 | 4,530 ↑ | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 1,040 | 55 | >100 | 1.6 | 129 | 4 | 2 | 4 | 4 | 5 | 2 | Good adhesion coatings UV adhesives |
| 780 | 75 | >100 | 1.2 | 132 | 5 | 1 | 5 | 5 | 5 | 1 | Lithographic and screen inks Coatings requiring exterior durability Coatings for wood, paper and plastic Coatings for metal, Coatings for PVC flooring Overprint varnish, Laminating adhesive |
| 1,590 | 45 | >100 | 2.0 | 127 | 2 | 1 | 5 | 5 | 5 | 1 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| 1,200 | 35 | 40 | 0.4 | 133 | 2 | 2 | 4 | 4 | 2 | 2 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| 40 | 20 | 40 | 1.1 | 132 | 1 | 1 | 5 | 5 | 2 | 1 | Good adhesion coatings UV adhesives |

KELLOMER Aliphatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|----------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2503 | Aliphatic urethane diacrylate Good adhesion Low shrinkage Good flexibility Non yellowing Light color | 2 | IBOA 25 | 100 max | 1,300 | 1.459 | 75 | 33,000 | 37 | 1,360 | 5B |
| KELLOMER LP-2514-12 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 35 | 100 max | 37,000 | 1.481 | 65 | 10,000 | 94 | 1,360 | 6B |
| KELLOMER LP-2514-27 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 35 | 100 max | 98,000 | 1.479 | 65 | 14,000 | 94 | 1,810 | 6B ↓ |
| KELLOMER LP-2552 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 20 | 200 max | 226,000 (40°C) | 1.476 | 80 | 20,300 | 76 | 1,360 | 2H |
| KELLOMER LP-2566 | Aliphatic urethane diacrylate Light color Low odor Good durability Good flexibility Non yellowing | 2 | TPGDA 20 | 100 max | 80,000 | 1.486 | 80 | 5,300 | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 10 | 207 | <5 | 2.0 | 129 | 3 | 1 | 5 | 5 | 1 | 1 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates |
| 1,080 | 70 | 20 | 1.4 | 130 | 3 | 1 | 5 | 5 | 1 | 1 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| 1,850 | 360 | 20 | 1.6 | 123 | 2 | 1 | 5 | 5 | 1 | 1 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| 520 | 290 | <5 | 3.8 | 127 | 3 | 3 | 3 | 3 | 1 | 3 | Adhesives for film, plastics, and paper etc. Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| N/A | N/A | N/A | N/A | N/A | 4 | 3 | 2 | 3 | 3 | 3 | Coatings for wood and plastic Overprint varnishes Printing inks Fast cure response Coatings with good heat and scratch resistance |

KELLOMER Aliphatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|----------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2716 | Aliphatic urethane diacrylate oligomer Light color Low viscosity for handling ease Good flexibility and toughness Good abrasion resistance Excellent adhesion to difficult surfaces Abrasion resistance | 2 | - | 100 max | 4,000 | 1.483 | 100 | 2,000 | 82 | 2,710 | HB |
| KELLOMER LP-2810 | Aliphatic urethane diacrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | - | 100 max | 20,000 (60°C) | 1.492 | 100 | 3,600 | 94 | 1,360 | HB |
| KELLOMER LP-2811 | Aliphatic urethane diacrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | IBOA 40 | 100 max | 25,000 | 1.478 | 60 | 13,600 | 94 | 2,260 | 6B ↓ |
| KELLOMER LP-2812 | Aliphatic urethane diacrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | - | 100 max | 26,000 | 1.480 | 100 | 18,000 | 95 | 1,360 | 2H |
| KELLOMER LP-2813 | Aliphatic urethane diacrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | Isodecyl acrylate 40 | 100 max | 5,000 | 1.463 | 60 | 13,300 | 96 | 2,260 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 240 | 25 | 60 | 1.1 | 132 | 2 | 1 | 3 | 3 | 2 | 2 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates |
| 5,300 | 85 | >100 | 2.8 | 122 | 3 | 2 | 4 | 4 | 5 | 2 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |
| 1,180 | 220 | >100 | 2.1 | 126 | 1 | 1 | 5 | 5 | 5 | 1 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |
| 2,730 | 25 | >100 | 1.3 | 129 | 3 | 3 | 3 | 3 | 5 | 3 | Coating for paper and plastic Coating for leather and PVS floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |
| 50 | 25 | 90 | 0.3 | 127 | 1 | 1 | 5 | 5 | 4 | 1 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |

KELLOMER Aliphatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|---------------------------|---|-------------------|-------------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2814 | Aliphatic urethane diacrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | Isodecyl acrylate 50 | 100 max | 6,900 (60°C) | 1.462 | 50 | 29,600 | 64 | 1,360 | 6B ↓ |
| KELLOMER LP-2910EA | Aliphatic urethane diacrylate Light color Good adhesion Low shrinkage Good flexibility Non yellowing | 2 | Ethyl acetate 50 | 100 max | 300 | 1.425 | 50 | 12,000 | N/A | N/A | N/A |
| KELLOMER LP-3000 | Aliphatic urethane triacrylate High tensile strength Good heat resistance Good scratch resistance | 3 | - | 100 max | 4,500 (60°C) | 1.495 | 100 | 1,400 | 82 | 450 | 4B |
| KELLOMER LP-3005 | Aliphatic urethane triacrylate High tensile strength Good heat resistance Good scratch resistance | 3 | TPGDA 15 | 100 max | 48,000 | 1.488 | 85 | 3,700 | 95 | 450 | 3H |
| KELLOMER LP-3006 | Aliphatic urethane triacrylate High tensile strength Good heat resistance Good scratch resistance | 3 | HDDA 20 | 100 max | 10,000 | 1.487 | 80 | 1,400 | 95 | 450 | H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 40 | 155 | 5 | 1.3 | 128 | 3 | 1 | 5 | 5 | 1 | 1 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |
| N/A | N/A | N/A | N/A | N/A | 3 | 1 | 5 | 5 | 1 | 1 | Good adhesion coatings UV adhesives |
| 6,502 | 5 | <5 | 0.2 | 131 | 1 | 1 | 5 | 5 | 1 | 1 | Coatings for wood and plastic Overprint varnishes Printing inks Fast cure response Coatings with good heat and scratch resistance |
| 7,910 | 6 | 5 | 4.7 | 127 | 1 | 4 | 2 | 2 | 1 | 4 | Coatings for wood and plastic Overprint varnishes Printing inks Fast cure response Coatings with good heat and scratch resistance |
| 1,770 | 5 | 5 | 4.2 | 132 | 5 | 3 | 3 | 3 | 1 | 3 | Wood flooring and plastics coating Overprint varnishes and screen inks Clear coatings Light stable coatings |

KELLOMER Aliphatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|---------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-3100 | Aliphatic urethane triacrylate Excellent abrasion resistance Good flexibility Non yellowing | 3 | - | 100 max | 74,000 | 1.494 | 100 | 3,100 | 94 | 450 | 2H |
| KELLOMER LP-3430 | Aliphatic urethane triacrylate Good abrasion Good stain resistance Good surface curing Good flexibility and toughness Non yellowing Light color Good durability | 3 | HDDA 15 | 100 max | 61,000 | 1.478 | 85 | 3,200 | 95 | 1,360 | HB |
| KELLOMER LP-6000 | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | - | 100 max | 2,500 (60°C) | 1.492 | 100 | 6,000 | 94 | 450 | 5H |
| KELLOMER LP-6000T | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | Toluene 10 | 100 max | 3,000 | 1.498 | 90 | 1,500 | 95 | 450 | 4H |
| KELLOMER LP-6000X | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | Xylene 10 | 100 max | 7,000 | 1.488 | 90 | - | 97 | 450 | 4H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 4,070 | 30 | 50 | 2.0 | 132 | 1 | 3 | 3 | 3 | 4 | 3 | Coatings for wood and plastic Coatings for PVC flooring Overprint varnishes Screen inks |
| 3,510 | 35 | 80 | 2.6 | 129 | 3 | 3 | 3 | 3 | 4 | 3 | Wood flooring and plastics coating Overprint varnishes and screen inks Clear coatings Light stable coatings |
| 790 | 1 | >100 | 3.2 | 130 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic, film and plate Coatings requiring scratch and chemical resistance |
| N/A | N/A | >100 | 4.4 | 132 | 5 | 4 | 2 | 2 | 5 | 4 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |
| N/A | N/A | >100 | 5.3 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |

KELLOMER Aliphatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-6014 | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | - | 100 max | 8,300 (60°C) | 1.493 | 100 | 3,500 | 88 | 450 | HB |
| KELLOMER LP-6014T | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | Toluene 20 | 100 max | 1,200 | 1.498 | 80 | 3,500 | 95 | 450 | 6H |
| KELLOMER LP-6207 | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | - | 100 max | 16,000 | 1.487 | 100 | 12,000 | 93 | 450 | 2H |
| KELLOMER LP-9000 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 15 | - | 100 max | 5,400 (60°C) | 1.494 | 100 | 17,400 | 76 | 450 | 8H |
| KELLOMER LP-9100 | Aliphatic urethane decaacrylate Excellent cure response with flexibility Good hardness and toughness with flexibility Excellent scratch resistance Excellent chemical resistance High gloss Non yellowing | 10 | TPGDA 10 | 100 max | 24,000 | 1.478 | 90 | 14,000 | 97 | 450 | 3H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 2,650 | 2 | >100 | 5.2 | 131 | 5 | 2 | 4 | 4 | 5 | 2 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |
| N/A | N/A | >100 | 5.0 | 128 | 5 | 4 | 2 | 2 | 5 | 4 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |
| 1,150 | 2 | >100 | 4.3 | 127 | 5 | 3 | 3 | 3 | 5 | 3 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |
| 1,077 | 1 | 100 | 0.7 | 134 | 5 | 5 | 1 | 1 | 4 | 5 | Special coatings Coatings requiring scratch and chemical resistance |
| 1,020 | 2 | >100 | 3.8 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for wood and plastic UV hard coatings Coatings requiring scratch and chemical resistance |

KELLOMER Aliphatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-9200 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 58,000 | 1.492 | 100 | 3,500 | 98 | 450 | 9H |
| KELLOMER LP-9205 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance, Fast cure response | 10 | - | 100 max | 55,000 | 1.493 | 100 | 2,000 | 98 | 450 | 4H |
| KELLOMER KA-1010 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 13,000 (60°C) | 1.462 | 100 | 29,000 | 86 | 2,260 | 6B |
| KELLOMER KA-1012 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 45,000 (60°C) | 1.460 | 100 | 52,500 | 87 | 1,360 | 6B ↓ |
| KELLOMER KA-1013 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 240,000 (60°C) | 1.459 | 100 | 83,000 | 83 | 1,360 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 2,390 | 3 | >100 | 6.3 | 129 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance |
| 650 | 2 | >100 | 8.3 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Special coatings Coatings requiring scratch and chemical resistance |
| 60 | 55 | 5 | 4.5 | 129 | 1 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 90 | 100 | 5 | 6.1 | 125 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 110 | 530 | <5 | 5.4 | 122 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |

KELLOMER Aliphatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER KA-1014 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 45,000 (60°C) | 1.461 | 100 | 50,900 | 82 | 1,360 | 6B ↓ |
| KELLOMER KA-1020 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 44,000 | 1.459 | 100 | 36,000 | 68 | 1,360 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--------------|
| 150 | 105 | 5 | 5.4 | 122 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |

| | | | | | | | | | | | |
|----|----|----|-----|-----|---|---|---|---|---|---|--------------|
| 30 | 30 | <5 | 1.2 | 118 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
|----|----|----|-----|-----|---|---|---|---|---|---|--------------|

KELLOMER Aromatic Urethane Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LK-3007 | Aromatic urethane hexaacrylate Excellent cure response Good chemical resistance High hardness | 6 | - | 100 max | 30,000 | 1.503 | 100 | 1,000 | 99 | 450 | 3H |
| KELLOMER LK-3011 | Aromatic urethane diacrylate Self healing property with flexibility Elastic property Good cure response Good flexibility Non yellowing | 2 | - | 100 max | 2,700 (60°C) | 1.512 | 100 | 12,500 | 98 | 450 | 4H |
| KELLOMER LK-5011 | Aromatic diacrylate High refractive index Low viscosity Good adhesion | 2 | OPPEA 20 | 100 max | 1,500 | 1.582 | 80 | 170 | N/A | N/A | N/A |
| KELLOMER LP-3200 | Aromatic urethane triacrylate Excellent cure response Low odor Good hardness and toughness Good hydrolytic stability | 3 | TMPTA 30 | 200 max | 58,000 | 1.499 | 70 | 2,000 | 94 | 450 | 3H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| N/A | N/A | >100 | 12.3 | 134 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic Wood coatings and fillers Coatings requiring excellent scratch and chemical resistance Excellent cure response Lithographic inks |
| 5,430 | 15 | >100 | 4.2 | 131 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic, film and plate Coatings requiring self healing property and elastic property with flexibility |
| N/A | N/A | N/A | N/A | N/A | 3 | 2 | 1 | 3 | 2 | 2 | Display Optical lenses High refractive index coating |
| 5,040 | 10 | <100 | 5.2 | 133 | 1 | 4 | 2 | 2 | 4 | 4 | Coatings for wood, plastic and metal Coatings for PVC flooring Screen inks Fast cure response |

KELLOMER Polyester Acrylates

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LK-4400 | Polyester tetraacrylate oligomer Excellent cure response | 4 | 100 max | 2,000 | 1.487 | - | 100 | 1,200 | 91 | 1,360 | 4H |
| KELLOMER LK-4600 | Polyester hexaacrylate Excellent cure response High hardness | 6 | 100 max | 6,400 | 1.488 | - | 100 | 3,000 | 94 | 450 | 4H |
| KELLOMER LP-1010 | Carboxylated polyester acrylate Low viscosity Acid functionality Alkali strippable Good adhesion to glass and metallic material | 1 | 100 max | 2,000 | 1.487 | 133.3 | 100 | 300 | 66 | 2,265 | 6B |
| KELLOMER LP-1012 | Carboxylated polyester acrylate oligomer. Low viscosity Acid functionality Alkali strippable Good adhesion to glass and metallic material | 1 | 100 max | 3,000 | 1.508 | 130.1 | 100 | 1,000 | 78 | N/A | 3B |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| N/A | N/A | >100 | 3.8 | 120 | 3 | 4 | 2 | 2 | 5 | 4 | Coatings for paper, wood and plastic Paper upgrading Excellent cure response Lithographic inks Coatings with good scratch and solvent resistance |
| N/A | N/A | >100 | 5.1 | 124 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for paper, wood and plastic Paper upgrading Excellent cure response Lithographic inks Coatings with good scratch and solvent resistance |
| N/A | N/A | 5 | 1.2 | 128 | 2 | 1 | 4 | 4 | 2 | 2 | Alkali-strippable etch resist for PCB Promote adhesion property for variety substrates |
| N/A | N/A | 10 | 1.5 | 129 | 1 | 1 | 5 | 5 | 1 | 1 | Alkali-strippable etch resist for PCB Promote adhesion property for variety substrates |

KELLOMER High Refractive Index Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LK-5007 | Aromatic diacrylate High refractive index Good adhesion | 2 | PEA 20 | 300 max | 30,000 (60°C) | 1.590 | - | 80 | 2,800 | 88 | 450 | 2B |
| KELLOMER LK-5024 | Bisfluorene modified diacrylate High refractive index Good hardness Fast cure response | 2 | - | 100 max | 10,000 | 1.600 | <3 | 100 | 1,000 | N/A | N/A | N/A |
| KELLOMER LK-5025 | Bisfluorene modified diacrylate High refractive index Good hardness Fast cure response | 2 | - | 100 max | 5,400 | 1.595 | <3 | 100 | 1,000 | 71 | 450 | 3H |
| KELLOMER LK-5036 | Bisfluorene modified diacrylate High refractive index Fast cure response | 2 | - | 100 max | 8,100 | 1.579 | - | 100 | 530 | 81 | 450 | H |
| KELLOMER LK-5037 | Bisfluorene modified diacrylate High refractive index Fast cure response | 2 | - | 100 max | 2,400 | 1.536 | - | 100 | 540 | 82 | 450 | HB |
| KELLOMER LK-5038 | Bisfluorene modified diacrylate High refractive index Fast cure response | 2 | - | 100 max | 1,500 | 1.557 | - | 100 | 550 | 92 | 450 | H |
| KELLOMER LM-1119 | Aromatic modified acrylate monomer High refractive index Good dilution power | 1 | - | 100 max | 90 | 1.570 | - | 100 | 45,700 | 81 | 900 | 3H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 772 | 13 | <5 | 1.5 | 144 | 5 | 2 | 4 | 4 | 1 | 2 | Display Optical lenses High refractive index coating |
| N/A | N/A | N/A | N/A | N/A | 3 | 3 | 2 | 3 | 2 | 2 | Display Optical lenses High refractive index coating |
| 590 | 6 | <5 | 2.4 | 140 | 5 | 4 | 2 | 2 | 1 | 4 | Display Optical lenses High refractive index coating |
| 1,600 | 45 | <5 | 1.1 | 142 | 5 | 3 | 3 | 3 | 1 | 3 | Display Optical lenses High refractive index coating |
| 390 | 35 | 50 | 4.1 | 138 | 5 | 2 | 4 | 4 | 2 | 2 | Display Optical lenses High refractive index coating |
| 120 | 15 | >100 | 1.3 | 130 | 5 | 3 | 3 | 3 | 5 | 3 | Display Optical lenses High refractive index coating |
| N/A | N/A | 100 | 12.3 | 134 | 4 | 4 | 2 | 2 | 4 | 4 | Display Optical lenses High refractive index coating |

KELLOMER Low Refractive Index Acrylates

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness | Tensile Strength (PSI) |
|-------------------------|---|-------------------|--------------|-----------------------|-------------------------|----------------------|-------------------|--|-----------------|------------------------|
| KELLOMER LK-5702 | Fluorine modified acrylate Low refractive index | 2 | 100 max | 386,000 | 1.427 | <1 | 100 | N/A | N/A | N/A |
| KELLOMER LK-5703 | Fluorine modified acrylate Low refractive index Good hardness | 3 | 100 max | 220,000 | 1.434 | <1 | 100 | N/A | N/A | N/A |
| KELLOMER LK-5704 | Fluorine modified acrylate Low refractive index Good hardness | 3 | 100 max | 340,000 | 1.445 | <1 | 100 | N/A | N/A | N/A |

| Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| N/A | N/A | N/A | N/A | 2 | 2 | 1 | 2 | 2 | 2 | Anti-reflective coating Water and oil repellent coating Low refractive index coating |
| N/A | N/A | N/A | N/A | 3 | 2 | 1 | 2 | 2 | 2 | Anti-reflective coating Water and oil repellent coating Low refractive index coating |
| N/A | N/A | N/A | N/A | 3 | 2 | 1 | 2 | 2 | 2 | Anti-reflective coating Water and oil repellent coating Low refractive index coating |

KELLOMER Waterbased Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|---------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER PUDA-2500 | UV polyurethane dispersion acrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | WATER 63 | Opaque | 75 | 1.383 | - | 37 | - | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|-----------------------|
| N/A | N/A | N/A | N/A | N/A | 1 | 1 | 5 | 4 | 1 | 1 | UV waterborne coating |

KELLOMER Silicone Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-6103 | Silicone acrylate Good elastic property Good hardness Non yellowing | 6 | IBOA 10 | 100 max | 23,000 | 1.465 | - | 90 | 15,000 | 89 | 453 | 2H |
| KELLOMER LP-6104 | Silicone acrylate Good elastic property Good hardness Non yellowing | 6 | IBOA 10 | 100 max | 75,000 | 1.475 | - | 90 | 9,000 | 89 | 453 | 4H |
| KELLOMER SA-200 | Aliphatic silicone urethane acrylate Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 100 max | 42,000 | 1.452 | - | 100 | 13,000 | 86 | 1,360 | 6B ↓ |
| KELLOMER SA-210 | Aliphatic silicone urethane acrylate Low viscosity Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 100 max | 30,000 | 1.454 | - | 100 | 6,400 | 82 | 2,260 | 6B ↓ |
| KELLOMER SA-220 | Aliphatic silicone urethane acrylate Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 200 max | 51,000 | 1.452 | - | 100 | 19,000 | 88 | 2,260 | 6B ↓ |
| KELLOMER SA-230 | Aliphatic silicone urethane acrylate Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 100 max | 36,000 | 1.453 | - | 100 | 5,300 | N/A | 1,810 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 670 | 3 | 50 | 1.9 | 127 | 4 | 3 | 3 | 3 | 3 | 3 | Coating and INK Electronics |
| 780 | 1 | 80 | 1.6 | 129 | 4 | 3 | 3 | 3 | 3 | 3 | Coating and INK Electronics |
| N/A | 20 | >100 | 5.5 | 134 | 3 | 1 | 5 | 5 | 5 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |
| 80 | 10 | 5 | 5.8 | 127 | 1 | 1 | 5 | 5 | 1 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |
| 40 | 20 | 10 | 5.5 | 126 | 1 | 1 | 5 | 5 | 1 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |
| 1,010 | 60 | 80 | 4.3 | 119 | 1 | 1 | 5 | 5 | 1 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |

KELLOMER Silicone Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER SA-350 | Aliphatic silicone modified dimethacrylate Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 100 max | 25,000 | 1.456 | - | 100 | 11,000 | N/A | N/A | N/A |
| KELLOMER SA-400 | Aliphatic silicone modified dimethacrylate Low viscosity Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 200 max | 3,600 | 1.452 | <5 | 100 | 6,900 | N/A | N/A | N/A |
| KELLOMER SA-610 | Silicone modified hexaacrylate Low viscosity Low shrinkage Excellent flexibility Good adhesion to substrate Non yellowing | 6 | EOEOEA 20 | 100 max | 8,000 | 1.454 | - | 80 | 21,000 | 92 | 450 | 6B ↓ |
| KELLOMER SA-620 | Silicone modified hexaacrylate Low viscosity Low shrinkage Excellent flexibility Good adhesion to substrate Non yellowing | 6 | EOEOEA 20 | 100 max | 12,000 | 1.452 | - | 80 | 26,000 | 93 | 450 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| N/A | N/A | N/A | N/A | N/A | 1 | 1 | 5 | 5 | 1 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |
| N/A | N/A | N/A | N/A | N/A | 1 | 1 | 5 | 5 | 1 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |
| 94 | 6 | 40 | 3.5 | 127 | 5 | 1 | 5 | 5 | 3 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |
| 7 | 1 | 10 | 2.6 | 127 | 5 | 1 | 5 | 5 | 3 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |

KELLOMER Melamine Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER KM-1060 | Melamine acrylate Fast cure response Light color High gloss Good hardness | - | Hexane 5 | 100 max | 1,200 | 1.515 | 95 | 1260 | 73 | 450 | F |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Application |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|------------------------|
| 30 | 17 | <5 | 1.2 | 135 | 5 | 2 | 4 | 4 | 1 | 2 | Heat resistant coating |

KELLOMER Butadiene Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER KA-1040 | Butadiene modified acrylate Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IDA 30 | 100 max | 5,400 | 1.471 | 70 | 8,700 | 77 | 1,360 | 6B ↓ |
| KELLOMER KA-1080 | Butadiene modified acrylate Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 30 | 100 max | 16,000 | 1.476 | 70 | 10,000 | 83 | 1,360 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--------------|
| 110 | 55 | <5 | 0.9 | 129 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 340 | 125 | <5 | 1.2 | 129 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |

KELLOMER Adhesion Promoters

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LM-1000 | Methacryloyl phosphate adhesion promoter Low viscosity Acid functionality Exhibits improved adhesion to substrate | 1.5 | 100 max | 1,800 | - | - | 100 | - | N/A | N/A | N/A |
| KELLOMER LM-1117 | Silane modified acrylate monomer Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage. Non yellowing | 1 | 100 max | 120 | 1.459 | 1.5 | 100 | 1,330 | 59 | 2,260 | 6B ↓ |
| KELLOMER LM-1118 | Silane modified acrylate monomer Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage. Non yellowing | 1 | 100 max | 30 | 1.449 | - | 100 | 560 | N/A | N/A | N/A |
| KELLOMER LP-1010 | Carboxylated polyester acrylate oligomer Low viscosity Acid functionality Alkali strippable Good adhesion to glass and metallic material | 1 | 100 max | 2,000 | 1.487 | 133.3 | 100 | 1,000 | 66 | 2,265 | 6B |
| KELLOMER LP-1012 | Carboxylated polyester acrylate oligomer Low viscosity Acid functionality Alkali strippable Good adhesion to glass and metallic material | 1 | 100 max | 3,000 | 1.508 | 130.1 | 100 | 1,000 | 78 | 2,265 | 3B |
| KELLOMER LP-1044 | Silane modified acrylate. Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 1 | 100 max | 80 | 1.462 | - | 100 | 960 | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| N/A | N/A | N/A | N/A | N/A | 1 | 1 | 5 | 5 | 1 | 1 | Adhesion promotor Solder resist formulations Metal coating Adhesives In general, usage is between 1% and 5% of total formulation. |
| N/A | N/A | <5 | 3.9 | 130 | 1 | 1 | 5 | 5 | 1 | 1 | Adhesion promotor UV adhesives |
| N/A | N/A | N/A | N/A | N/A | 1 | 1 | 5 | 5 | 1 | 1 | Adhesion promotor UV adhesives |
| N/A | N/A | 5 | 1.2 | 127 | - | 1 | 5 | 5 | 1 | 1 | Adhesion promotor Alkali-strippable etch resist for PCB Promote adhesion property for variety substrates |
| N/A | N/A | 10 | 3.3 | 128 | 1 | 1 | 5 | 5 | 1 | 1 | Adhesion promotor Alkali-strippable etch resist for PCB Promote adhesion property for variety substrates |
| N/A | N/A | N/A | N/A | N/A | 1 | 1 | 5 | 5 | 1 | 1 | Adhesion promotor UV adhesives |

KELLOMER Adhesion Promoters

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-1045 | Silane modified acrylate. Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 1 | 100 max | 80 | 1.444 | - | 100 | 420 | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|-----------------------------------|
| N/A | N/A | N/A | N/A | N/A | 1 | 1 | 5 | 5 | 1 | 1 | Adhesion promotor UV adhesives |

KELLOMER Acrylic Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|---|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2200 | Acrylic acrylate High molecular weight Low shrinkage Good adhesion to substrate Non yellowing | 2 | TPGDA 10 HDDA 16 IBOA 18 | 100 max | 35,000 | 1.470 | 56 | 48,000 | N/A | 900 | HB |
| KELLOMER LP-2201 | Acrylic acrylate High molecular weight Low shrinkage Good adhesion to substrate Non yellowing | 1 | IBOA 70 | 100 max | 10,000 | 1.480 | 30 | 38,000 | 70 | 900 | H |
| KELLOMER LP-2205 | Acrylic acrylate High molecular weight Low shrinkage Good adhesion to substrate Non yellowing | 2 | HDDA 50 | 100 max | 48,000 | 1.475 | 50 | 45,000 | 64 | 450 | 2H |
| KELLOMER LP-2209 | Acrylic acrylate High molecular weight Low shrinkage Good adhesion to substrate Non yellowing | 1 | 2-HPA 70 | 100 max | 3,000 | 1.458 | 30 | 40,000 | 68 | 450 | 6B ↓ |
| KELLOMER LP-2215 | Acrylic acrylate High molecular weight Low shrinkage Good adhesion to substrate Non yellowing | 2 | PHEA 70 | 100 max | 2,800 | 1.510 | 30 | 46,000 | 45 | 900 | 5B |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 670 | 1 | <5 | 2.3 | 129 | 4 | 2 | 4 | 4 | 1 | 2 | Coatings for plastic, film and plate Coatings requiring good adhesion UV adhesives |
| N/A | N/A | 20 | 3.1 | 133 | 4 | 2 | 4 | 4 | 1 | 2 | Coatings for plastic, film and plate Coatings requiring good adhesion UV adhesives |
| 1,546 | 2 | 10 | 2.8 | 128 | 5 | 3 | 3 | 3 | 1 | 3 | Coatings for plastic, film and plate Coatings requiring good adhesion UV adhesives |
| N/A | N/A | 10 | 3.3 | 130 | 5 | 1 | 5 | 5 | 1 | 1 | Coatings for plastic, film and plate Coatings requiring good adhesion UV adhesives |
| N/A | N/A | <5 | 2.0 | 126 | 4 | 1 | 5 | 5 | 1 | 1 | Coatings for plastic, film and plate Coatings requiring good adhesion UV adhesives |

KELLOMER Caprolactone Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-1030 | Monofunctional polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 1 | - | 100 max | 100 | 1.465 | 100 | 1,100 | 52 | N/A | 6B ↓ |
| KELLOMER LP-1031 | Monofunctional polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 1 | - | 100 max | 140 | 1.467 | 100 | 870 | 83 | 450 | 6B ↓ |
| KELLOMER LP-1032 | Monofunctional polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 1 | - | 100 max | 50 (60°C) | 1.468 | 100 | 1,100 | 77 | 450 | 6B ↓ |
| KELLOMER LP-1033 | Monofunctional polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 1 | - | 100 max | 50 (60°C) | 1.469 | 100 | 1,300 | 78 | 450 | 6B ↓ |
| KELLOMER LP-1036 | Monofunctional polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 1 | Xylene 20 | 200 max | 250 | 1.477 | 80 | 1,200 | N/A | N/A | N/A |
| KELLOMER LP-1301 | Polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 3 | - | 100 max | 1,200 | 1.485 | 100 | 450 | 98 | 450 | 9H ↑ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| N/A | N/A | 60 | 1.2 | 127 | 5 | 1 | 5 | 5 | 3 | 1 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| N/A | N/A | <5 | 4.3 | 125 | 5 | 1 | 5 | 5 | 1 | 1 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| N/A | N/A | <5 | 6.6 | 124 | 5 | 1 | 5 | 5 | 1 | 1 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| N/A | N/A | <5 | 6.5 | 127 | 5 | 1 | 5 | 5 | 1 | 1 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| N/A | N/A | N/A | N/A | N/A | 5 | 1 | 5 | 5 | 1 | 1 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| 1,190 | 2 | >100 | 4.06 | 132 | 5 | 5 | 1 | 1 | 5 | 5 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |

KELLOMER Caprolactone Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-1302 | Polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 3 | - | 100 max | 1,200 | 1.485 | 100 | 1,400 | 98 | 450 | HB |
| KELLOMER LP-1303 | Polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 3 | - | 100 max | 1,300 | 1.481 | 100 | 1,700 | 97 | 450 | HB |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 1,190 | 2 | >100 | 3.2 | 133 | 5 | 5 | 1 | 1 | 5 | 5 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| N/A | N/A | 50 | 2.19 | 129 | 5 | 2 | 4 | 4 | 2 | 2 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |

KELLOMER Amine Acrylates

| Product Name | Description Key Features | Fuctionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|------------------------|--|------------------|-------------|--------------|-----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER AM-201 | Amine modified polyether acrylate Excellent cure response Good flexibility Good scratch resistance Good abrasion resistance Low yellowing | 2 | HDDA 84 | 100 max | 400 | 16 | 1,000 | N/A | N/A | N/A |
| KELLOMER AM-301 | Amine modified polyether acrylate Excellent cure response Good flexibility Good scratch resistance Good abrasion resistance Low yellowing | 3 | - | 100 max | 100 | 100 | 450 | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| N/A | N/A | N/A | N/A | N/A | 4 | 2 | 3 | 3 | 3 | 3 | UV flexo inks and varnishes UV screen inks and varnishes Overprint varnishes Wood coatings UV coatings and inks for plastic film and plastic foils(PVC, PE etc) |
| N/A | N/A | N/A | N/A | N/A | 4 | 2 | 3 | 3 | 3 | 3 | UV flexo inks and varnishes UV screen inks and varnishes Overprint varnishes Wood coatings UV coatings and inks for plastic film and plastic foils(PVC, PE etc) |

KELLOMER LED Curable Acrylates

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LEDA-100 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Low irritation Good chemical resistance | 3 | 100 max | 90 | 1.477 | 100 | 400 | 94 | 1,360 | 3H |
| KELLOMER LEDA-200 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | 100 max | 150 | 1.483 | 100 | 570 | 89 | 450 | 5H |
| KELLOMER LEDA-300 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Low irritation Good chemical resistance | 3 | 100 max | 400 | 1.492 | 100 | 300 | 86 | 450 | 4H |
| KELLOMER LEDA-400 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Low irritation Good chemical resistance | 3 | 100 max | 90 | 1.486 | 100 | 600 | 96 | 450 | 7H |
| KELLOMER LEDA-500 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Low irritation Good chemical resistance | 3 | 100 max | 120 | 1.487 | 100 | 600 | 97 | 450 | 5H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 830 | 15 | >100 | 1.7 | 137 | 3 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 200 | 5 | >100 | 1.3 | 132 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 60 | 5 | >100 | 1.0 | 134 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 220 | 10 | >100 | 0.9 | 135 | 3 | 4 | 2 | 2 | 5 | 4 | Coatings for paper, wood and plastic Paper upgrading Excellent cure response Lithographic inks Coatings with good scratch and solvent resistance |
| 410 | 20 | >100 | 1.1 | 136 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |

KELLOMER Star Branched Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER STA-2004 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 20 | - | 100 max | 15,000 | 1.495 | 100 | 8,900 | 98 | 450 | 9H ↑ |
| KELLOMER STA-2010 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 25 | - | 100 max | 46,000 | 1.496 | 100 | 13,000 | 99 | 450 | 9H ↑ |
| KELLOMER STA-2020 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 30 | - | 100 max | 5,000 (60°C) | 1.497 | 100 | 33,000 | 98 | 450 | 9H ↑ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 770 | 5 | >100 | 5.1 | 132 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 1,880 | 10 | >100 | 10.0 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 2,080 | 2 | >100 | 14.5 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |

KELLONIX Alkaline Developable Photoresist Binder

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|---------------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLONIX BP-1001 | Acrylic copolymer with carboxyl group in molecules Alkaline developable Carboxyl group Good hardness Good adhesion | - | DPM 53 | 100 max | 1,900 | 1.470 | 53.3 | 47 | 21,000 | 37 | N/A | N/A |
| KELLONIX BP-1002 | Acrylic copolymer with carboxyl group in molecules Alkaline developable Carboxyl group Good hardness Good adhesion | - | DPM 59 | 100 max | 4,300 | 1.462 | 46.6 | 41 | 41,000 | 54 | N/A | N/A |
| KELLONIX BP-3201 | Acrylic copolymer with carboxyl group Alkaline developable Carboxyl group Good hardness Good adhesion Double bond | - | DPM 35 | 100 max | 15,000 | 1.468 | 103.3 | 65 | 7,000 | N/A | N/A | N/A |
| KELLONIX BP-3202 | Acrylic copolymer with carboxyl group Alkaline developable Carboxyl group Good hardness Good adhesion Double bond | - | DPM 36 | 100 max | 12,000 | 1.468 | 88.5 | 64 | 7,800 | N/A | N/A | N/A |
| KELLONIX LP-2406 | Modified epoxy acrylate with carboxyl group Alkaline developable Carboxyl group Good hardness Good adhesion | 2 | Carbitol acetate 30 | 200 max | 11,000 | 1.509 | 86.9 | 70 | 11,000 | 75 | 2,260 | 6B ↓ |
| KELLONIX LP-2408 | Modified epoxy acrylate with carboxyl group Alkaline developable Carboxyl group Good hardness Good adhesion | 2 | Carbitol acetate 30 | 500 max | 228,000 (60°C) | 1.544 | 88.9 | 70 | 26,000 | 62 | 2,260 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| N/A | N/A | <10 | 0.8 | 130 | 1 | 2 | 2 | 2 | 2 | 2 | LCD color filter resist LCD color paste resin (=Mill base resin) Touch panel silver paste Photosensitive paste Semiconductor photo resist All Negative photo resist |
| N/A | N/A | <10 | 2.8 | 137 | 1 | 2 | 2 | 2 | 2 | 2 | LCD color filter resist LCD color paste resin (=Mill base resin) Touch panel silver paste Photosensitive paste Semiconductor photo resist All Negative photo resist |
| N/A | N/A | N/A | N/A | N/A | 3 | 2 | 2 | 2 | 2 | 2 | LCD color filter resist resin LCD color paste resin (=Mill base resin) Touch panel silver paste Photosensitive paste Semiconductor photo resist All Negative photo resist |
| N/A | N/A | N/A | N/A | N/A | 3 | 2 | 2 | 2 | 2 | 2 | LCD color filter resist resin LCD color paste resin (=Mill base resin) Touch panel silver paste Photosensitive paste Semiconductor photo resist All Negative photo resist |
| 220 | 5 | <10 | 0.9 | 134 | 3 | 2 | 2 | 2 | 2 | 2 | LCD color filter resist resin LCD color paste resin (=Mill base resin) Touch panel silver paste Photosensitive paste Semiconductor photo resist All Negative photo resist |
| N/A | N/A | <10 | 4.4 | 137 | 3 | 2 | 2 | 2 | 2 | 2 | LCD color filter resist resin LCD color paste resin (=Mill base resin) Touch panel silver paste Photosensitive paste Semiconductor photo resist All Negative photo resist |

KELLONIX Alkaline Developable Photoresist Binder

| Product Name | Description Key Features | Fuctionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|------------------|------------------------|--------------|-----------------------|-------------------------|----------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLONIX LP-5102 | Modified epoxy acrylate with carboxyl group Alkaline developable Carboxyl group Good hardness Good adhesion | 4 | Carbitol acetate 35 | 600 max | 9,500 (60°C) | 1.509 | 61.8 | 65 | 7,600 | 71 | 450 | 6B ↓ |
| KELLONIX LP-5104 | Modified epoxy acrylate with carboxyl group Alkaline developable Carboxyl group Good hardness Good adhesion | 4 | Carbitol acetate 30 | 600 max | 40,000 (60°C) | 1.519 | 80.7 | 70 | 7,500 | 69 | 450 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 410 | 5 | <10 | 2.0 | 135 | 4 | 3 | 2 | 2 | 2 | 2 | LCD color filter resist resin LCD color paste resin (=Mill base resin) Touch panel silver paste Photosensitive paste Semiconductor photo resist All Negative photo resist |
| N/A | N/A | <10 | 9.2 | 132 | 4 | 3 | 2 | 2 | 2 | 2 | LCD color filter resist resin LCD color paste resin (=Mill base resin) Touch panel silver paste Photosensitive paste Semiconductor photo resist All Negative photo resist |

KELLONIX Tin-Free Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|----------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER KA-1020TF | Aliphatic urethane diacrylate Tin free Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 40,000 | 1.458 | 100 | 44,000 | N/A | N/A | N/A |
| KELLOMER LP-2514-12 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 35 | 100 max | 37,000 | 1.481 | 65 | 10,000 | 94 | 1,360 | 6B |
| KELLOMER LP-2514-27 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 35 | 100 max | 98,000 | 1.479 | 65 | 14,000 | 94 | 1,810 | 6B ↓ |
| KELLOMER LP-6000 | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | - | 100 max | 2,500 (60°C) | 1.492 | 100 | 1,700 | 94 | 450 | 5H |
| KELLOMER LP-9206TF | Aliphatic urethane acrylate Tin free Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 60,000 | 1.493 | 100 | 2,200 | N/A | N/A | N/A |
| KELLOMER LP-9401TF | Aromatic urethane decaacrylate Tin free Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance High gloss | 10 | - | 100 max | 3,000 (60°C) | 1.501 | 100 | 2,600 | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| N/A | N/A | N/A | N/A | N/A | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 1,080 | 70 | 20 | 1.4 | 130 | 3 | 1 | 5 | 5 | 1 | 1 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| 1,850 | 360 | 20 | 1.6 | 123 | 2 | 1 | 5 | 5 | 1 | 1 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| 790 | 1 | >100 | 3.2 | 130 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic, film and plate Coatings requiring scratch and chemical resistance |
| N/A | N/A | N/A | N/A | N/A | 5 | 4 | 2 | 2 | 5 | 4 | Special coatings Coatings requiring scratch and chemical resistance |
| N/A | N/A | N/A | N/A | N/A | 5 | 4 | 2 | 2 | 5 | 4 | Special coatings Coatings requiring scratch and chemical resistance |

KELLOBRID Organic-Inorganic Hybrid Material

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|------------------------|---|-------------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOBRID SP-13 | Organic-inorganic hybrid sol-gel polymer Good transparency Low viscosity Low refractive index High hardness Good adhesion on glass | Methanol 22 Water 14 | 100 max | 10 | 1.377 | 64 | 2,100 | N/A | N/A | N/A |
| KELLOBRID SP-43 | Organic-inorganic hybrid sol-gel polymer Good transparency Low viscosity Low refractive index High hardness Good adhesion on glass | Methanol 20 Water 11 | 100 max | 70 | 1.388 | 69 | 1,300 | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|----------|-------------|----------|---------------------|--------------------|---|
| N/A | N/A | N/A | N/A | N/A | 5 | 1 | 3 | 4 | 4 | Silicone hard coatings Glass coatings Anti finger printing coatings |
| N/A | N/A | N/A | N/A | N/A | 5 | 1 | 3 | 4 | 4 | Silicone hard coatings Glass coatings Anti finger printing coatings |

KELLOMER UV Adhesives Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER KA-1010 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 13,000 (60°C) | 1.462 | 100 | 29,000 | 86 | 2,260 | 6B |
| KELLOMER KA-1012 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 45,000 (60°C) | 1.460 | 100 | 52,500 | 87 | 1,360 | 6B ↓ |
| KELLOMER KA-1020 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 44,000 | 1.459 | 100 | 36,000 | 68 | 1,360 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--------------|
| 60 | 55 | 5 | 4.5 | 129 | 1 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 90 | 100 | 5 | 6.1 | 125 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 30 | 30 | <5 | 1.2 | 118 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |

KELLOMER High Hardness Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-6000 | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | - | 100 max | 2,500 (60°C) | 1.492 | 100 | 1,700 | 94 | 450 | 5H |
| KELLOMER LP-6014T | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | Toluene 20 | 100 max | 1,200 | 1.498 | 80 | 3,500 | 95 | 450 | 6H |
| KELLOMER LP-9000 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 15 | - | 100 max | 5,400 (60°C) | 1.494 | 100 | 17,400 | 76 | 450 | 8H |
| KELLOMER LP-9200 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 10 | - | 100 max | 58,000 | 1.459 | 100 | 3,500 | 98 | 450 | 9H |
| KELLOMER LX-1001 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 1,000 (60°C) | 1.490 | 100 | 2,200 | 82 | 450 | 9H |
| KELLOMER LX-1002 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 20 | - | 100 max | 2,000 (60°C) | 1.490 | 100 | 2,000 | 98 | 450 | 9H |
| KELLOMER STA-2004 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 20 | - | 100 max | 15,000 | 1.495 | 100 | 8,900 | 98 | 450 | 9H ↑ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 790 | 1 | >100 | 3.2 | 130 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic, film and plate Coatings requiring scratch and chemical resistance |
| N/A | N/A | >100 | 5.0 | 128 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic, film and plate Coatings requiring scratch and chemical resistance |
| 1,077 | 1 | >100 | 0.7 | 134 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance |
| 2,390 | 3 | >100 | 6.3 | 129 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance |
| 990 | 2 | >100 | 8.3 | 128 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 2,170 | 3 | >100 | 14.3 | 133 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 770 | 5 | >100 | 5.1 | 132 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |

KELLOMER High Hardness Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER STA-2010 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 25 | - | 100 max | 46,000 | 1.496 | 100 | 13,000 | 99 | 450 | 9H ↑ |
| KELLOMER STA-2020 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 30 | - | 100 max | 5,000 (60°C) | 1.497 | 100 | 33,000 | 98 | 450 | 9H ↑ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 1,880 | 10 | >100 | 10.0 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 2,080 | 2 | >100 | 14.5 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |

KELLOMER Low Viscosity Acrylates

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LEDA-100 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Low irritation Good chemical resistance | 3 | 100 max | 90 | 1.477 | 100 | 400 | 94 | 1,360 | 3H |
| KELLOMER LEDA-200 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Low irritation Good chemical resistance | 3 | 100 max | 150 | 1.483 | 100 | 570 | 88 | 450 | 5H |
| KELLOMER LEDA-300 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Low irritation Good chemical resistance | 3 | 100 max | 400 | 1.492 | 100 | 300 | 86 | 450 | 4H |
| KELLOMER LEDA-400 | Modified trifunctional acrylate LED curable acrylate, Surface cure Oxygen free, Low viscosity High reactivity, Low irritation Good chemical resistance | 3 | 100 max | 90 | 1.486 | 100 | 600 | 96 | 450 | 7H |
| KELLOMER LEDA-500 | Modified trifunctional acrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 3 | 100 max | 120 | 1.487 | 100 | 600 | 97 | 450 | 5H |
| KELLOMER LK-4400 | Polyester tetraacrylate oligomer Excellent cure response | 4 | 100 max | 2,000 | 1.487 | 100 | 1,200 | 91 | 1,360 | 4H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 830 | 15 | >100 | 1.7 | 137 | 3 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 200 | 5 | >100 | 1.3 | 132 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 60 | 5 | >100 | 1.0 | 134 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 220 | 10 | >100 | 0.9 | 135 | 5 | 5 | 1 | 1 | 5 | 5 | LED curing Surface cure UV coating Oxygen free UV coating |
| 410 | 20 | >100 | 1.1 | 136 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| N/A | N/A | >100 | 3.8 | 120 | 3 | 4 | 2 | 2 | 5 | 4 | Coatings for paper, wood and plastic Paper upgrading Excellent cure response Lithographic inks Coatings with good scratch and solvent resistance |

KELLOMER Low Viscosity Acrylates

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-1301 | Polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 3 | 100 max | 1,200 | 1.485 | 100 | 450 | 98 | 450 | 9H ↑ |
| KELLOMER LP-1302 | Polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 3 | 100 max | 1,100 | 1.483 | 100 | 1,400 | 100 | 450 | HB |
| KELLOMER LP-1303 | Polycaprolactone acrylate Good flexible Excellent soft feeling touch Good scratch resistance Hydroxyl group | 3 | 100 max | 1,300 | 1.481 | 100 | 1,700 | 97 | 450 | HB |
| KELLOMER LP-2716 | Aliphatic urethane diacrylate oligomer Light color Low viscosity for handling ease Good flexibility and toughness Good abrasion resistance Excellent adhesion to difficult surfaces Abrasion resistance | 2 | 100 max | 4,000 | 1.483 | 100 | 2,000 | 82 | 2,710 | HB |
| KELLOMER LP-6016 | Aliphatic urethane hexaacrylate oligomer Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | 100 max | 3,600 | 1.489 | 100 | 1,100 | 98 | 450 | 7H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 1,190 | 2 | >100 | 4.1 | 132 | 5 | 5 | 1 | 1 | 5 | 5 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| 810 | 2 | >100 | 3.2 | 133 | 5 | 2 | 4 | 4 | 5 | 2 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| N/A | N/A | 50 | 2.2 | 129 | 5 | 2 | 4 | 4 | 2 | 2 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| 240 | 25 | 60 | 1.1 | 132 | 1 | 2 | 4 | 4 | 3 | 2 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates |
| 900 | 2 | >100 | 5.2 | 129 | 5 | 5 | 1 | 1 | 4 | 5 | Coatings for plastic, film and plate Coatings requiring scratch and chemical resistance |

KELLOMER UV Ink Jet Acrylates

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LV-1010 | UV Ink jet acrylate Low viscosity acrylate High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 60 | 1.491 | 100 | 160 | N/A | N/A | N/A |
| KELLOMER LV-1020 | UV Ink jet acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 45 | 1.498 | 100 | 160 | N/A | N/A | N/A |
| KELLOMER LV-1030 | UV Ink jet acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 50 | 1.496 | 100 | 180 | 97 | 900 | 3H |
| KELLOMER LV-1040 | UV Ink jet acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 50 | 1.500 | 100 | 180 | 93 | 900 | 3H |
| KELLOMER LV-1050 | UV Ink jet acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 20 | 1.498 | 100 | 190 | 87 | 900 | 4B |
| KELLOMER LV-1060 | UV Ink jet acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 20 | 1.498 | 100 | 190 | 90 | 900 | HB |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| N/A | N/A | N/A | N/A | N/A | 4 | 4 | 2 | 2 | 2 | 4 | Coatings for plastic, optical film, wood, paper and metal UV inks |
| N/A | N/A | N/A | N/A | N/A | 4 | 4 | 2 | 2 | 2 | 4 | Coatings for plastic, optical film, wood, paper and metal UV inks |
| 1,120 | 2 | 40 | 1.6 | 132 | 4 | 4 | 2 | 2 | 2 | 4 | Coatings for plastic, optical film, wood, paper and metal UV inks |
| N/A | N/A | 10 | 1.5 | 130 | 4 | 4 | 2 | 2 | 1 | 4 | Coatings for plastic, optical film, wood, paper and metal UV inks |
| 1,290 | 40 | <5 | 2.6 | 136 | 4 | 1 | 5 | 5 | 1 | 1 | Coatings for plastic, optical film, wood, paper and metal UV inks |
| 600 | 35 | <5 | 2.0 | 137 | 4 | 2 | 4 | 4 | 1 | 2 | Coatings for plastic, optical film, wood, paper and metal UV inks |

KELLOMER Flexibie Display Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Polymer Solid (%) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-------------------|-----------------|--|-----------------|
| KELLOMER STA-2004 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Excellent cure response | 20 | - | 100 max | 15,000 | 1.495 | 100 | 8,900 | 98 | 450 | 9H ↑ |
| KELLOMER STA-2010 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Excellent cure response | 25 | - | 100 max | 46,000 | 1.496 | 100 | 13,000 | 99 | 450 | 9H ↑ |
| KELLOMER STA-2020 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Excellent cure response | 30 | - | 100 max | 5,000 (60°C) | 1.497 | 100 | 33,000 | 98 | 450 | 9H ↑ |
| KELLOMER LX-1001 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 1,000 (60°C) | 1.490 | 100 | 2,200 | 82 | 450 | 9H |
| KELLOMER LX-1002 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 20 | - | 100 max | 2,000 (60°C) | 1.490 | 100 | 2,000 | 98 | 450 | 9H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 770 | 5 | >100 | 5.1 | 132 | 5 | 5 | 1 | 1 | 5 | 5 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| 1,880 | 10 | >100 | 10.0 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| 2,080 | 2 | >100 | 14.5 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Monomer for acrylic resin synthesis and UV curing system in plastic, film and plate coating Solvent based coatings and inks UV curable coatings and adhesives |
| 990 | 2 | >100 | 8.3 | 128 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 2,170 | 3 | >100 | 14.3 | 133 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |

KELLOMER Biobased Acrylates

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER BM-1000 | Epoxy modified diacrylate Good scratch and abrasion resistance Superior stain resistance Non-yellowing Exterior durability and toughness | 2 | 300 max | 4,000 | 1.484 | 100 | 1,600 | N/A | N/A | N/A |
| KELLOMER BM-2000 | Epoxy modified diacrylate Good scratch and abrasion resistance Superior stain resistance Non-yellowing Exterior durability and toughness | 2 | 300 max | 4,000 | 1.484 | 100 | 1,600 | N/A | N/A | N/A |
| KELLOMER BM-3000 | Epoxy modified diacrylate Good scratch and abrasion resistance Superior stain resistance Non-yellowing Exterior durability and toughness | 2 | 300 max | 3,700 | 1.484 | 100 | 1,600 | N/A | N/A | N/A |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| N/A | N/A | N/A | N/A | N/A | 3 | 2 | 3 | 3 | 2 | 2 | Coating for wood and plastic Fast cure response Scratch resistance coating |
| N/A | N/A | N/A | N/A | N/A | 3 | 2 | 3 | 3 | 2 | 2 | Coating for wood and plastic Fast cure response Scratch resistance coating |
| N/A | N/A | N/A | N/A | N/A | 3 | 2 | 3 | 3 | 2 | 2 | Coating for wood and plastic Fast cure response Scratch resistance coating |

KELLOMER High Elongation Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|----------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER KA-1012 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 45,000 (60°C) | 1.460 | 100 | 52,500 | 87 | 1,360 | 6B ↓ |
| KELLOMER KA-1013 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 240,000 (60°C) | 1.459 | 100 | 83,000 | 83 | 1,360 | 6B ↓ |
| KELLOMER KA-1014 | Aliphatic urethane diacrylate Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 max | 45,000 (60°C) | 1.461 | 100 | 50,900 | 82 | 1,360 | 6B ↓ |
| KELLOMER LP-2514-27 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 30 | 100 max | 98,000 | 1.479 | 65 | 14,000 | 94 | 1,810 | 6B ↓ |
| KELLOMER LP-2811 | Aliphatic urethane diacrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | IBOA 40 | 100 max | 25,000 | 1.478 | 60 | 13,600 | 94 | 2,260 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 90 | 100 | 5 | 6.1 | 125 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 110 | 530 | <5 | 5.4 | 122 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 150 | 105 | 5 | 5.4 | 122 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 1,850 | 360 | 20 | 1.6 | 123 | 2 | 1 | 5 | 5 | 1 | 1 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| 1,180 | 220 | >100 | 2.1 | 126 | 1 | 1 | 5 | 5 | 5 | 1 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |

KELLOMER High Elongation Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2814 | Aliphatic urethane diacrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | Isodecyl acrylate 50 | 100 max | 6,900 (60°C) | 1.490 | 50 | 29,600 | 64 | 1,360 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 40 | 155 | 5 | 1.3 | 128 | 3 | 1 | 5 | 5 | 1 | 1 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |

KELLOMER High Cure Speed Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LEDA-400 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 90 | 1.486 | 100 | 600 | 96 | 450 | 7H |
| KELLOMER LEDA-500 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 120 | 1.497 | 100 | 600 | 97 | 450 | 5H |
| KELLOMER LK-3007 | Aromatic urethane hexaacrylate Excellent cure response Good chemical resistance High hardness | 6 | - | 100 max | 30,000 | 1.503 | 100 | 1,000 | 99 | 450 | 3H |
| KELLOMER LP-6000X | Aliphatic urethane hexaacrylate Excellent cure response High hardness and toughness Excellent scratch resistance Excellent chemical resistance High gloss Non yellowing | 6 | Xylene 10 | 100 max | 7,000 | 1.488 | 90 | - | 97 | 450 | 4H |
| KELLOMER LP-9100 | Aliphatic urethane decaacrylate Excellent cure response with flexibility Good hardness and toughness with flexibility Excellent scratch resistance Excellent chemical resistance High gloss Non yellowing | 10 | TPGDA 10 | 100 max | 24,000 | 1.478 | 90 | 14,000 | 97 | 450 | 3H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 220 | 10 | >100 | 0.9 | 135 | 5 | 5 | 1 | 1 | 5 | 5 | LED curing Surface cure UV coating Oxygen free UV coating |
| 410 | 20 | >100 | 1.1 | 136 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| N/A | N/A | >100 | 12.3 | 134 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic Wood coatings and fillers Coatings requiring excellent scratch and chemical resistance Excellent cure response Lithographic inks |
| N/A | N/A | >100 | 5.3 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic, film and plate Coatings requiring scratch and chemical resistance |
| 1,020 | 2 | >100 | 3.8 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for wood and plastic UV hard coatings Coatings requiring scratch and chemical resistance |

KELLOMER High Cure Speed Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-9200 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 58,000 | 1.492 | 100 | 3,500 | 98 | 450 | 9H |
| KELLOMER LP-9205 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance, Fast cure response | 10 | - | 100 max | 70,000 | 1.493 | 100 | 2,000 | 98 | 450 | 4H |
| KELLOMER STA-2004 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 20 | - | 100 max | 15,000 | 1.495 | 100 | 8,900 | 98 | 450 | 9H ↑ |
| KELLOMER STA-2010 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 25 | - | 100 max | 46,000 | 1.496 | 100 | 13,000 | 99 | 450 | 9H ↑ |
| KELLOMER STA-2020 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 30 | - | 100 max | 5,000 (60°C) | 1.497 | 100 | 33,000 | 98 | 450 | 9H ↑ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 2,390 | 3 | >100 | 6.3 | 129 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance |
| 650 | 2 | >100 | 8.3 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Special coatings Coatings requiring scratch and chemical resistance |
| 770 | 5 | >100 | 5.1 | 132 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 1,880 | 10 | >100 | 10.0 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 2,080 | 2 | >100 | 14.5 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |

KELLOMER High Tensile Strength Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LK-1003 | Bisphenol A epoxy diacrylate Fast cure response Light color High gloss Good hardness | 2 | TPGDA 25 | 100 max | 26,200 | 1.530 | 75 | 770 | 76 | 450 | 3H |
| KELLOMER LK-1007 | Difunctional modified epoxy acrylate Fast cure response Good pigment wetting | 2 | - | 200 max | 40,000 | 1.539 | 100 | 800 | 83 | 450 | 3H |
| KELLOMER LP-2810 | Aliphatic urethane diacrylate Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | - | 100 max | 20,000 (60°C) | 1.492 | 100 | 3,600 | 94 | 1,360 | HB |
| KELLOMER LP-3000 | Aliphatic urethane triacrylate High tensile strength Good heat resistance Good scratch resistance | 3 | - | 100 max | 4,500 (60°C) | 1.495 | 100 | 1,400 | 82 | 450 | 4B |
| KELLOMER LP-3005 | Aliphatic urethane triacrylate High tensile strength Good heat resistance Good scratch resistance | 3 | TPGDA 15 | 100 max | 48,000 | 1.488 | 85 | 3,700 | 95 | 450 | 3H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 4,250 | 7 | 30 | 5.1 | 136 | 5 | 4 | 2 | 2 | 2 | 4 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish |
| 4,630 | 5 | >100 | 5.3 | 137 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic and wood UV lithographic and screen inks Overprint varnishes Improved adhesion to plastic |
| 5,300 | 85 | >100 | 2.8 | 122 | 3 | 2 | 4 | 4 | 5 | 2 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |
| 6,502 | 5 | <5 | 0.2 | 131 | 1 | 1 | 5 | 5 | 1 | 1 | Coatings for wood and plastic Overprint varnishes Printing inks Fast cure response Coatings with good heat and scratch resistance |
| 7,910 | 6 | 5 | 4.7 | 127 | 1 | 4 | 2 | 2 | 1 | 4 | Coatings for wood and plastic Overprint varnishes Printing inks Fast cure response Coatings with good heat and scratch resistance |

KELLOMER Good Solvent Resistance Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LEDA-100 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 60 | 1.477 | 100 | 400 | 94 | 1,360 | 3H |
| KELLOMER LEDA-200 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 150 | 1.483 | 100 | 570 | 88 | 450 | 5H |
| KELLOMER LEDA-300 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 400 | 1.491 | 100 | 300 | 86 | 450 | 4H |
| KELLOMER LEDA-400 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 90 | 1.486 | 100 | 600 | 96 | 450 | 7H |
| KELLOMER LEDA-500 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 120 | 1.487 | 100 | 600 | 97 | 450 | 5H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 830 | 15 | >100 | 1.7 | 137 | 3 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 200 | 5 | >100 | 1.3 | 132 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 60 | 5 | >100 | 1.0 | 134 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 220 | 10 | >100 | 0.9 | 135 | 5 | 5 | 1 | 1 | 5 | 5 | LED curing Surface cure UV coating Oxygen free UV coating |
| 410 | 20 | >100 | 1.1 | 136 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |

KELLOMER Good Solvent Resistance Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LK-1001 | Bisphenol A epoxy diacrylate Fast cure response Light color High gloss Good hardness | 2 | - | 100 max | 7,000 (60°C) | 1.559 | 100 | 800 | 80 | 450 | 2H |
| KELLOMER LK-3007 | Aromatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch and chemical. | 6 | - | 100 max | 30,000 | 1.503 | 100 | 1,000 | 99 | 450 | 3H |
| KELLOMER LK-4400 | Polyester tetraacrylate Excellent cure response High hardness | 4 | - | 100 max | 2,000 | 1.487 | 100 | 1,200 | 91 | 1,360 | 4H |
| KELLOMER LK-4600 | Polyester hexaacrylate Excellent cure response High hardness | 6 | - | 100 max | 6,400 | 1.488 | 100 | 3,000 | 94 | 450 | 4H |
| KELLOMER LP-4100 | Phenol novolac epoxy acrylate Fast cure response Light color High surface hardness Good heat resistance Good adhesion to metals, particularly copper | 4 | TMPTA 50 | 100 max | 12,000 | 1.522 | 50 | 1,200 | 92 | 450 | 4H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 4,750 | 2 | >100 | 6.7 | 136 | 5 | 3 | 3 | 3 | 5 | 3 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish |
| N/A | N/A | >100 | 12.3 | 134 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic Wood coatings and fillers Coatings requiring excellent scratch and chemical resistance Excellent cure response Lithographic inks |
| N/A | N/A | >100 | 3.8 | 120 | 3 | 4 | 2 | 2 | 5 | 4 | Coatings for paper, wood and plastic Paper upgrading Excellent cure response Lithographic inks Coatings with good scratch and solvent resistance |
| N/A | N/A | >100 | 5.1 | 124 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for paper, wood and plastic Paper upgrading Excellent cure response Lithographic inks Coatings with good scratch and solvent resistance |
| 1,700 | 2 | >100 | 1.6 | 129 | 5 | 4 | 2 | 2 | 5 | 4 | Solder resists for PCB Adhesion to metalized substrates Heat resistance applications |

KELLOMER Good Solvent Resistance Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|---|-------------------|-------------------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-4200 | Phenol novolac epoxy acrylate Fast cure response Light color High surface hardness Good heat resistance Good adhesion to metals, particularly copper | 4 | TMP(EO) ₃ TA 50 | 100 max | 6,000 | 1.520 | 50 | 1,300 | 94 | 450 | 4H |
| KELLOMER LP-6000 | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | - | 100 max | 2,500 (60°C) | 1.492 | 100 | 6,000 | 94 | 450 | 5H |
| KELLOMER LP-6000T | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | Toluene 10 | 100 max | 3,000 | 1.498 | 90 | 1,500 | 95 | 450 | 4H |
| KELLOMER LP-6000X | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | Xylene 10 | 100 max | 7,000 | 1.488 | 90 | - | 97 | 450 | 4H |
| KELLOMER LP-6014 | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | - | 100 max | 8,300 (60°C) | 1.493 | 100 | 2,200 | 88 | 450 | HB |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 2,630 | 3 | >100 | 1.2 | 132 | 5 | 4 | 2 | 2 | 5 | 4 | Solder resists for PCB Adhesion to metalized substrates. Heat resistance applications |
| 790 | 1 | >100 | 3.2 | 130 | 5 | 4 | 2 | 2 | 5 | 4 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |
| N/A | N/A | >100 | 4.4 | 132 | 5 | 4 | 2 | 2 | 5 | 4 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance. |
| N/A | N/A | >100 | 5.3 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |
| 2,650 | 2 | >100 | 5.2 | 131 | 5 | 2 | 4 | 4 | 5 | 2 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |

KELLOMER Good Solvent Resistance Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|---|-------------------|---------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-6014T | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | Toluene 20 | 100 max | 1,200 | 1.498 | 80 | 3,500 | 95 | 450 | 6H |
| KELLOMER LP-6207 | Aliphatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance Non yellowing | 6 | - | 100 max | 16,000 | 1.487 | 100 | 12,000 | 93 | 450 | 2H |
| KELLOMER LP-9000 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 15 | - | 100 max | 5,400 (60°C) | 1.494 | 100 | 17,400 | 76 | 450 | 8H |
| KELLOMER LP-9200 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 58,000 | 1.492 | 100 | 3,500 | 98 | 450 | 9H |
| KELLOMER LP-9205 | Aliphatic urethane acrylate Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 70,000 | 1.493 | 100 | 2,000 | 98 | 450 | 4H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| N/A | N/A | >100 | 5.0 | 128 | 5 | 4 | 2 | 2 | 5 | 4 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |
| 1,150 | 2 | >100 | 4.3 | 127 | 5 | 3 | 3 | 3 | 5 | 3 | Coating for plastic, film and plate Coating requiring scratch and chemical resistance |
| 1,077 | 1 | 100 | 0.7 | 134 | 5 | 5 | 1 | 1 | 4 | 5 | Special coatings Coatings requiring scratch and chemical resistance |
| 2,390 | 3 | >100 | 6.3 | 129 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance. |
| 650 | 2 | >100 | 8.3 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Special coatings. Coatings requiring scratch and chemical resistance. |

KELLOMER Good Solvent Resistance Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER STA-2004 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 20 | - | 100 max | 15,000 | 1.495 | 100 | 8,900 | 98 | 450 | 9H ↑ |
| KELLOMER STA-2010 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 25 | - | 100 max | 46,000 | 1.496 | 100 | 13,000 | 99 | 450 | 9H ↑ |
| KELLOMER STA-2020 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 30 | - | 100 max | 5,000 (60°C) | 1.497 | 100 | 33,000 | 98 | 450 | 9H ↑ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 770 | 5 | 50 | 5.1 | 132 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 1,880 | 10 | >100 | 10.0 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 2,080 | 2 | >100 | 14.5 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |

KELLOMER High Conversion Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LEDA-400 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 90 | 1.486 | 100 | 600 | 96 | 450 | 7H |
| KELLOMER LEDA-500 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 120 | 1.487 | 100 | 600 | 97 | 450 | 5H |
| KELLOMER LK-3007 | Aromatic urethane hexaacrylate Excellent cure response High hardness Excellent scratch resistance Excellent chemical resistance High gloss | 6 | - | 100 max | 30,000 | 1.503 | 100 | 1,000 | 99 | 450 | 3H |
| KELLOMER LP-6000X | Aliphatic urethane hexaacrylate oligomer Excellent cure response High hardness and toughness Excellent scratch resistance Excellent chemical resistance High gloss Non yellowing | 6 | Xylene 10 | 100 max | 7,000 | 1.488 | 90 | - | 97 | 450 | 4H |
| KELLOMER LP-9100 | Aliphatic urethane decaacrylate oligomer Excellent cure response with flexibility Good hardness and toughness with flexibility Excellent scratch resistance Excellent chemical resistance High gloss Non yellowing | 10 | TPGDA 10 | 100 max | 24,000 | 1.478 | 90 | 14,000 | 97 | 450 | 3H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 220 | 10 | >100 | 0.9 | 135 | 5 | 5 | 1 | 1 | 5 | 5 | LED curing Surface cure UV coating Oxygen free UV coating |
| 410 | 20 | >100 | 1.1 | 136 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| N/A | N/A | >100 | 12.3 | 134 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic Wood coatings and fillers Coatings requiring excellent scratch and chemical resistance Excellent cure response Lithographic inks |
| N/A | N/A | >100 | 5.3 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic, film and plate Coatings requiring scratch and chemical resistance |
| 1,020 | 2 | >100 | 3.8 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for wood and plastic UV hard coatings Coatings requiring scratch and chemical resistance |

KELLOMER High Conversion Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-9200 | Aliphatic urethane acrylate oligomer Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 58,000 | 1.492 | 100 | 3,500 | 98 | 450 | 9H |
| KELLOMER LP-9205 | Aliphatic urethane acrylate oligomer Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 10 | - | 100 max | 55,000 | 1.493 | 100 | 2,000 | 98 | 450 | 4H |
| KELLOMER LV-1030 | Low viscosity acrylate with photoinitiator Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | - | 300 max | 50 | 1.496 | 100 | 180 | 97 | 900 | 3H |
| KELLOMER LX-1002 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | - | - | 100 max | 2,000 (60°C) | 1.490 | 100 | 2,000 | 98 | 450 | 9H |
| KELLOMER STA-2004 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 20 | - | 100 max | 15,000 | 1.495 | 100 | 8,900 | 98 | 450 | 9H ↑ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 2,390 | 3 | >100 | 6.3 | 129 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance |
| 650 | 2 | >100 | 8.3 | 133 | 5 | 4 | 2 | 2 | 5 | 4 | Special coatings Coatings requiring scratch and chemical resistance |
| 1,120 | 2 | 40 | 1.6 | 132 | 4 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic optical film, wood paper and metal UV inks |
| 2,170 | 3 | >100 | 14.3 | 133 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 770 | 5 | >100 | 5.1 | 132 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |

KELLOMER High Conversion Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER STA-2010 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 25 | - | 100 max | 46,000 | 1.496 | 100 | 13,000 | 99 | 450 | 9H ↑ |
| KELLOMER STA-2020 | Star branched polyester acrylate High molecular weight Very high hardness Excellent scratch resistance Excellent chemical resistance Fast cure response | 30 | - | 100 max | 5,000 (60°C) | 1.497 | 100 | 33,000 | 98 | 450 | 9H ↑ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 1,880 | 10 | >100 | 10.0 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |
| 2,080 | 2 | >100 | 14.5 | 130 | 5 | 5 | 1 | 1 | 5 | 5 | Special coatings Coatings requiring scratch and chemical resistance Flexible display coatings High hard coatings |

KELLOMER High Gloss Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|--------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LEDA-100 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 60 | 1.477 | 100 | 400 | 94 | 1,360 | 3H |
| KELLOMER LEDA-400 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 90 | 1.486 | 100 | 600 | 96 | 450 | 7H |
| KELLOMER LEDA-500 | Modified trifunctional acrylate LED curable acrylate Surface cure Oxygen free Low viscosity High reactivity Good chemical resistance Low irritation | 3 | - | 100 max | 120 | 1.487 | 100 | 600 | 97 | 450 | 5H |
| KELLOMER LK-1001 | Bisphenol A epoxy diacrylate Fast cure response Light color High surface hardness High chemical resistance High gloss finish | 2 | - | 100 max | 9,800 (60°C) | 1.554 | 100 | 760 | 81 | 450 | 2H |
| KELLOMER LK-1002 | Bisphenol A epoxy diacrylate Fast cure response Light color High surface hardness High chemical resistance High gloss finish | 2 | HDDA 20 | 100 max | 11,900 | 1.537 | 80 | 790 | 77 | 450 | 3H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 830 | 15 | >100 | 1.7 | 137 | 3 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 220 | 10 | >100 | 0.9 | 135 | 5 | 5 | 1 | 1 | 5 | 5 | LED curing Surface cure UV coating Oxygen free UV coating |
| 410 | 20 | >100 | 1.1 | 136 | 5 | 4 | 2 | 2 | 5 | 4 | LED curing Surface cure UV coating Oxygen free UV coating |
| 4,750 | 2 | >100 | 6.7 | 136 | 5 | 3 | 3 | 3 | 5 | 3 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish |
| 3,320 | 6 | 50 | 2.5 | 137 | 5 | 4 | 2 | 2 | 2 | 4 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish |

KELLOMER High Gloss Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LK-1003 | Bisphenol A epoxy diacrylate Fast cure response Light color High gloss Good hardness | 2 | TPGDA 25 | 100 max | 26,100 | 1.530 | 75 | 520 | 78 | 450 | 3H |
| KELLOMER LK-1007 | Fatty acid modified epoxy diacrylate Fast cure response Good pigment wetting | 2 | - | 100 max | 40,000 | 1.539 | 100 | 790 | 77 | 450 | 3H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 4,250 | 7 | 30 | 5.1 | 136 | 5 | 4 | 2 | 2 | 2 | 4 | Lithographic and screen inks Coatings for paper, plastic and wood Overprint varnish |
| 4,630 | 5 | >100 | 5.3 | 137 | 5 | 4 | 2 | 2 | 5 | 4 | Coatings for plastic and wood UV lithographic and screen inks Overprint varnishes Improved adhesion to plastic |

KELLOMER Good Weatherability Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|----------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2302 | Aliphatic urethane diacrylate oligomer Good scratch and abrasion resistance Superior stain resistance and non-yellowing Exterior durability and toughness | 2 | Toluene 20 | 100 max | 5,000 | 1.495 | 80 | 6,000 | 91 | 1,810 | 2B |
| KELLOMER LP-2514-27 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 35 | 100 max | 98,000 | 1.479 | 65 | 14,000 | 94 | 1,810 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical Resistance | Scratch Resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 1,200 | 35 | 40 | 0.4 | 133 | 2 | 2 | 4 | 4 | 2 | 2 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |
| 1,850 | 360 | 20 | 1.6 | 123 | 2 | 1 | 5 | 5 | 1 | 1 | Coatings for wood and plastic Overprint varnishes Printing inks Fast cure response Coatings with good heat and scratch resistance |

KELLOMER 3D Printer Acrylates

| Product Name | Description Key Features | Functionality No. | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|---|-------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LV-1030 | Low viscosity acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 50 | 1.496 | 100 | 180 | 97 | 900 | 3H |
| KELLOMER LV-1040 | Low viscosity acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 50 | 1.500 | 100 | 180 | 93 | 900 | 3H |
| KELLOMER LV-1050 | Low viscosity acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 20 | 1.498 | 100 | 190 | 87 | 900 | 4B |
| KELLOMER LV-1060 | Low viscosity acrylate Low viscosity High reactivity Good chemical resistance Good adhesion Low irritation | 3 | 300 max | 20 | 1.498 | 100 | 190 | 90 | 900 | HB |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 1,127 | 2 | 40 | 1.6 | 132 | 4 | 4 | 2 | 2 | 2 | 4 | Coatings for plastic, optical film, wood, paper and metal UV inks |
| N/A | N/A | 10 | 1.5 | 130 | 4 | 4 | 2 | 2 | 1 | 4 | Coatings for plastic, optical film, wood, paper and metal UV inks |
| 1,290 | 40 | <5 | 2.6 | 136 | 4 | 1 | 5 | 5 | 1 | 1 | Coatings for plastic, optical film, wood, paper and metal UV inks |
| 600 | 35 | <5 | 2.0 | 137 | 4 | 2 | 4 | 4 | 1 | 2 | Coatings for plastic, optical film, wood, paper and metal UV inks |

KELLOMER Self Healing Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2502 | Aliphatic urethane diacrylate Low shrinkage Good adhesion to substrate Excellent flexibility Light color Non yellowing | 2 | - | 100 max | 1,300 (60°C) | 1.478 | 100 | 12,700 | 96 | 4,530 ↑ | 6B ↓ |
| KELLOMER LP-2552 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 20 | 200 max | 226,000 (40°C) | 1.476 | 80 | 20,300 | 76 | 1,360 | 2H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Applications |
|------------------------|----------------|----------------------------------|-----------------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 40 | 20 | 40 | 1.1 | 132 | 1 | 1 | 5 | 5 | 2 | 1 | Good adhesion coatings UV adhesives |
| 520 | 290 | <5 | 3.8 | 127 | 3 | 3 | 3 | 3 | 1 | 3 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |

KELLOMER Good flexible Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|----------------------------|---|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER KA-1010 | Aliphatic urethane diacrylate oligomer Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 Max | 13,000 (60°C) | 1.462 | 100 | 29,000 | 86 | 2,260 | 6B |
| KELLOMER KA-1020 | Aliphatic urethane diacrylate oligomer Low odor Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | - | 100 Max | 44,000 | 1.459 | 100 | 36,000 | 68 | 1,360 | 6B ↓ |
| KELLOMER LP-2100 | Aliphatic urethane diacrylate oligomer Improved flexibility Good durability Non yellowing | 2 | Xylene 25 | 100 max | 1,300 | 1.489 | 75 | 6,500 | 88 | 450 | 6B ↓ |
| KELLOMER LP-2502 | Aliphatic urethane diacrylate oligomer Low shrinkage Good adhesion to substrate Excellent flexibility Light color Non yellowing | 2 | - | 100 max | 1,300 (60°C) | 1.478 | 100 | 12,700 | 96 | 4530 ↑ | 6B ↓ |
| KELLOMER LP-2514-12 | Aliphatic urethane diacrylate oligomer Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 35 | 100 max | 37,000 | 1.481 | 65 | 10,000 | 94 | 1,360 | 6B |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 60 | 55 | 5 | 4.5 | 129 | 1 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 30 | 30 | <5 | 1.2 | 118 | 3 | 1 | 5 | 5 | 1 | 1 | UV adhesives |
| 780 | 75 | >100 | 1.2 | 132 | 5 | 1 | 5 | 5 | 5 | 1 | Good adhesion coatings UV adhesives |
| 40 | 20 | 40 | 1.1 | 132 | 1 | 1 | 5 | 5 | 2 | 1 | Good adhesion coatings UV adhesives |
| 1,080 | 70 | 20 | 1.4 | 130 | 3 | 1 | 5 | 5 | 1 | 1 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates |

KELLOMER Good flexible Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|----------------------------|--|-------------------|-------------------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2514-27 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 35 | 100 max | 98,000 | 1.479 | 65 | 14,000 | 94 | 1,810 | 6B ↓ |
| KELLOMER LP-2811 | Aliphatic urethane diacrylate oligomer Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | IBOA 40 | 100 max | 25,000 | 1.478 | 60 | 13,600 | 94 | 2,260 | 6B ↓ |
| KELLOMER LP-2813 | Aliphatic urethane diacrylate oligomer Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | Isodecyl acrylate 40 | 100 max | 5,600 | 1.463 | 60 | 13,300 | 96 | 2,260 | 6B ↓ |
| KELLOMER LP-2814 | Aliphatic urethane diacrylate oligomer Light color Low odor High elongation Good flexibility Good durability Non yellowing | 2 | Isodecyl acrylate 50 | 100 max | 6,900 (60°C) | 1.490 | 50 | 29,600 | 64 | 1,360 | 6B ↓ |
| KELLOMER SA-210 | Aliphatic silicone urethane acrylate Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 100 max | 30,000 | 1.454 | 100 | 6,400 | 82 | 2,260 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 1,850 | 360 | 20 | 1.6 | 123 | 2 | 1 | 5 | 5 | 1 | 1 | Coatings for wood and plastic Overprint varnishes Printing inks Fast cure response Coatings with good heat and scratch resistance |
| 1,180 | 220 | >100 | 2.1 | 126 | 1 | 1 | 5 | 5 | 5 | 1 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |
| 50 | 25 | 90 | 0.3 | 127 | 1 | 1 | 5 | 5 | 4 | 1 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |
| 40 | 155 | 5 | 1.3 | 128 | 3 | 1 | 5 | 5 | 1 | 1 | Coatings for paper and plastic Coatings for leather and PVC floor Flexographic inks and varnish Coatings requiring high elongation and good flexibility Low gloss |
| 80 | 10 | 5 | 5.8 | 127 | 1 | 1 | 5 | 5 | 1 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |

KELLOMER Good flexible Acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER SA-220 | Aliphatic silicone urethane acrylate Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 200 max | 51,000 | 1.452 | 100 | 19,000 | 88 | 2,260 | 6B ↓ |
| KELLOMER SA-230 | Aliphatic silicone urethane acrylate Low shrinkage Excellent flexibility Good adhesion to substrate Very low Tg Non yellowing | 2 | - | 100 max | 36,000 | 1.453 | 100 | 5,300 | N/A | 1,810 | 6B ↓ |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 40 | 20 | 10 | 5.5 | 126 | 1 | 1 | 5 | 5 | 1 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |
| 1,010 | 60 | 80 | 4.3 | 119 | 2 | 1 | 5 | 5 | 4 | 1 | Adhesives for glass, film, and plastics etc Coatings for flexible substrates Coatings requiring good adhesion |

KELLOMER UV SF acrylates

| Product Name | Description Key Features | Functionality No. | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | Refractive Index (25°C) | Polymer Solid (%) | Molecular Weight (MW,g/mol) | Gel Content (%) | Cure Speed (Dosage, mj/cm ²) | Pencil Hardness |
|-------------------------|--|-------------------|-------------|--------------|-----------------------|-------------------------|-------------------|-----------------------------|-----------------|--|-----------------|
| KELLOMER LP-2552 | Aliphatic urethane diacrylate Low odor High molecular weight Excellent flexibility Good adhesion to substrate High elongation Low shrinkage Non yellowing | 2 | IBOA 20 | 200 max | 226,000 (40°C) | 1.476 | 80 | 20,300 | 76 | 1,360 | 2H |

| Tensile Strength (PSI) | Elongation (%) | Solvent Resistance (MEK Rubbing) | Yellow Index (ΔE) | Gloss (60°) | Reactivity | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Applications |
|------------------------|----------------|----------------------------------|-------------------|-------------|------------|----------|-------------|----------|---------------------|--------------------|---|
| 520 | 290 | <5 | 3.8 | 127 | 3 | 3 | 3 | 3 | 1 | 3 | Adhesives for film, plastics, and paper etc Coatings for woods, papers, and plastics Coatings for flexible substrates Coatings requiring good adhesion |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|--|--------------------------------------|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-1081 | Acrylic resin Acrylic polyol Excellent compatibility with C.A.B Long shelf life | Xylene 15, PMA 15 | 100 max | 2,000 | 2.52 | 8.4 |
| KELLOCRYL LB-1102 | Acrylic resin Acrylic polyol Good adhesion to metal Excellent hardness Excellent gloss | n-Butyl acetate 48 | 100 max | 5,300 | 1.04 | 4.4 |
| KELLOCRYL LB-1104 | Acrylic resin Good adhesion to glass surface Excellent hardness Excellent gloss Low viscosity | Toluene 35, n-butyl acetate 15 | 300 max | 10,000 | - | 1.9 |
| KELLOCRYL LB-1112 | Acrylic resin Acrylic polyol In conjunction with melamine or other resin for the manufacture of stoving enamel Good adhesion to glass surface Excellent hardness and gloss | Xylene 30, n-Butanol 21 | 100 max | 300 | 0.26 | 4.6 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|--------|----------|-------------|----------|---------------------|--------------------|---|
| 26 | 8,500 | 4 | 1 | 1 | 2 | 2 | Two-component polyurethane coating for wood and plastic |
| 68 | 22,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for wood and plastic |
| 90 | 50,000 | 4 | 1 | 1 | 4 | 4 | Thermoplastic acrylic paints for concrete wall |
| 17 | 28,000 | 4 | 1 | 1 | 2 | 2 | Stoving enamel for general uses |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|--|--------------------------------------|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-1205 | Acrylic resin Acrylic polyol Good sagging limit Excellent mechanical film properties | n-Butyl acetate 65 | 100 max | 1,100 | 2.14 | 2.7 |
| KELLOCRYL LB-1280 | Acrylic resin Acrylic polyol In conjunction with melamine or other resin for the manufacture of stoving enamel Hardness Good adhesion to metal surface | Xylene 27, n-Butanol 22 | 100 max | 500 | 2.62 | 11.3 |
| KELLOCRYL LB-1304 | Acrylic resin Acrylic polyol High gloss High hardness and fast curing | Toluene 41, MIBK 10 | 100 max | 44,000 | 0.22 | 8.0 |
| KELLOCRYL LB-1406 | Acrylic resin Acrylic polyol Good adhesion to glass surface Excellent hardness Excellent gloss Low viscosity | Toluene 44, n-Butyl acetate 11 | 100 max | 10,300 | 0.20 | 2.7 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|--------|----------|-------------|----------|---------------------|--------------------|--|
| 82 | 50,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for wood Under coatings and Top coatings |
| -10 | 57,000 | 1 | 5 | 4 | 1 | 1 | Stoving enamel for general uses |
| 70 | 93,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for various substrates |
| 95 | 60,000 | 4 | 1 | 1 | 4 | 4 | Primer or pigment extender for plastics |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|---|--|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-1500 | Acrylic resin Acrylic polyol Good hardness Excellent compatibility with epoxy resins | Xylene 24, n-Butyl acetate 16 | 100 max | 1,700 | 1.5 | 4.4 |
| KELLOCRYL LB-1803 | Acrylic resin Acrylic polyol Good adhesion Fast drying | Toluene 33, PMA 17 | 100 max | 2,000 | 1.5 | 2.6 |
| KELLOCRYL LB-1808 | Acrylic resin Acrylic polyol Good adhesion High gloss | Toluene 27, n-Butyl acetate 14, PMA 3 | 100 max | 1,000 | 1.32 | 4.4 |
| KELLOCRYL LB-1871 | Acrylic resin Acrylic polyol Good adhesion and levelling High gloss Excellent compatibility with other resins | Xylene 17, PMA 17 | 100 max | 7,000 | 2.2 | 3.4 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|--------|----------|-------------|----------|---------------------|--------------------|--|
| 66 | 10,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for wood and plastic |
| 32 | 48,000 | 4 | 1 | 1 | 2 | 2 | Two-component polyurethane coating for wood |
| 25 | 24,000 | 4 | 1 | 1 | 2 | 2 | Two-component polyurethane coating for metal and wood |
| 34 | 12,000 | 4 | 1 | 1 | 2 | 2 | Two-component polyurethane coating for A.B.S and P.Em other plastic substrates Top coatings |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|--|--|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-1902 | Acrylic resin Acrylic polyol Good hardness Excellent compatibility with epoxy resins | Xylene 26, n-Butyl acetate 14 | 100 max | 6,000 | 1.16 | 6.3 |
| KELLOCRYL LB-1930 | Acrylic resin Acrylic polyol Very good hardness High gloss and good adhesion Good chemical and mechanical properties Very high reactivity | Toluene 27, Ethyl acetate 8, n-Butyl acetate 9 | 100 max | 1,700 | 1.32 | 4.0 |
| KELLOCRYL LB-2014 | Acrylic resin Weatherability Fast drying Gloss | Toluene 17, Xylene 32 | 100 max | 6,000 | - | 12.0 |
| KELLOCRYL LB-2059 | Acrylic resin Good adhesion to various surface Fast drying | Toluene 50 | 100 max | 2,000 | - | 1.9 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|--------|----------|-------------|----------|---------------------|--------------------|---|
| 86 | 16,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for various substrates |
| 62 | 16,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for plastics |
| 42 | 40,000 | 3 | 2 | 3 | 3 | 3 | Thermoplastic acrylic paints for concrete wall |
| 41 | 63,000 | 3 | 2 | 3 | 3 | 3 | Thermoplastic acrylic paint for plastics |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|--|---|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-2080 | Acrylic resin Acrylic polyol Weatherability Good adhesion | Toluene 28, Ethyl acetate 22 | 100 max | 2,000 | 0.12 | 1.1 |
| KELLOCRYL LB-2088 | Acrylic resin Good adhesion Good hardness and solvent resistance | Toluene 23, n-Butyl acetate 6, n-Butanol 21 | 100 max | 4,700 | - | 1.1 |
| KELLOCRYL LB-2116 | Acrylic resin Acrylic polyol resin Good flexibility Good adhesion | Xylene 38, n-BuOH 13 | 100 max | 400 | 1.08 | 7.7 |
| KELLOCRYL LB-2130 | Acrylic resin Good adhesion Moderate hardness | MEK 44, Toluene 11 | 100 max | 32,000 | - | 1.3 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|---------|----------|-------------|----------|---------------------|--------------------|---|
| 29 | 76,000 | 4 | 1 | 1 | 2 | 2 | Thermoplastic acrylic paint for metals and woods |
| 66 | 42,000 | 3 | 2 | 3 | 3 | 3 | Thermoplastic acrylic paint for plastics |
| 20 | 48,000 | 4 | 1 | 1 | 2 | 2 | Two-component polyurethane coating for wood and plastic |
| 48 | 140,000 | 3 | 2 | 3 | 3 | 3 | Thermoplastic acrylic paint for plastics |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|--|-------------------------------------|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-2200 | Acrylic resin Good adhesion Moderate hardness | MIBK 50 | 100 max | 1,400 | - | 12.4 |
| KELLOCRYL LB-2450 | Acrylic resin Acrylic polyol Non-yellowing Excellent compatibility with C.A.B or other vinyl resins Low odor Good adhesion to plastics and wood | PMA 25, Xylene 25 | 100 max | 2,900 | 1 | 6.5 |
| KELLOCRYL LB-2515 | Acrylic resin Acrylic polyol High gloss Good levelling | n-Butyl acetate 13, Xylene 19 | 100 max | 5,200 | 2.72 | 7.4 |
| KELLOCRYL LB-2565 | Acrylic resin Acrylic polyol High gloss Good levelling | n-Butyl acetate 22, Xylene 9 | 100 max | 2,500 | 1.67 | 6.9 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|--------|----------|-------------|----------|---------------------|--------------------|--|
| 40 | 52,000 | 3 | 2 | 3 | 3 | 3 | 50 |
| 48 | 28,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for wood and plastic Under coatings and Top coatings |
| 40 | 10,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for wood and plastic |
| 60 | 7,500 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for wood and plastic |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|--|---|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-2807 | Acrylic resin Acrylic polyol Good outdoor durability High gloss Good adhesion | PMA 18, Xylene 8, n-Butyl acetate 14 | 100 max | 5,500 | 1.81 | 5.2 |
| KELLOCRYL LB-2900 | Acrylic resin Acrylic polyol High gloss Good levelling | PMA 13 Xylene 27 | 100 max | 3,000 | 1.41 | 7.4 |
| KELLOCRYL LB-2904 | Acrylic resin Acrylic polyol Good adhesion Excellent hardness Heat resistance Workability | Xylene 24, n-Butyl acetate 5 | 100 max | 23,000 | 2.40 | 2.6 |
| KELLOCRYL LB-2934 | Acrylic resin Acrylic polyol High gloss High solid | n-Butyl acetate 14, Xylene 13 | 100 max | 5,000 | 1.48 | 6.0 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|--------|----------|-------------|----------|---------------------|--------------------|---|
| 20 | 24,000 | 4 | 1 | 1 | 2 | 2 | Two-component polyurethane coating for wood and plastic |
| 50 | 7,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for wood and plastic |
| 70 | 8,000 | 3 | 2 | 3 | 3 | 3 | For optical film coating (light diffusion film) Urethane for plastic (ABS,FRP,PVC) For nonferrous metals (Al, Sn) |
| 0°C | 7,000 | 4 | 1 | 1 | 2 | 2 | Two-component polyurethane coating for wood and plastic |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|---|--------------------------------------|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-3020 | Acrylic resin Acrylic polyol Good adhesion to glass surface Excellent hardness high gloss Low viscosity | n-Butyl acetate 45 | 100 max | 4,500 | 1.04 | 8.0 |
| KELLOCRYL LB-3405 | Acrylic resin Acrylic polyol Good adhesion to glass surface Excellent hardness Excellent gloss Low viscosity | MEK 50 | 100 max | 6,000 | 0.13 | 6.5 |
| KELLOCRYL LB-3406 | Acrylic resin Acrylic polyol Good metallic orientation Good solvent resistance for solvent borne clear coat | Toluene 37, n-butyl acetate 28 | 100 max | 350 | 0.13 | 12.0 |
| KELLOCRYL LB-3407 | Acrylic resin Acrylic polyol Good adhesion to UV coating Compatibility with CAB/NC | Toluene 33, n-Butanol 18 | 100 max | 7,400 | 0.26 | 1.0 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|--------|----------|-------------|----------|---------------------|--------------------|--|
| 130 | 30,000 | 4 | 1 | 1 | 4 | 4 | Tow-component polyurethane coating for various substrates |
| 90 | 53,000 | 4 | 1 | 1 | 4 | 4 | Two-component polyurethane coating for wood and plastic |
| 50 | 50,000 | 3 | 2 | 3 | 3 | 3 | Automotive or refinish base coatings Plastics base coatings |
| 65 | 92,000 | 3 | 2 | 3 | 3 | 3 | Engineering plastics (ABS, PS, PC ...) cases |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|---|----------------------------|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-3409 | Acrylic resin Acrylic polyol Good adhesion to glass surface Excellent hardness Excellent gloss Low viscosity | n-butyl acetate 61 | 100 max | 100 | 0.13 | 4.7 |
| KELLOCRYL LB-3410 | Acrylic resin Good levelling Good adhesion | Aromatic Naphtha 47 | 100 max | 200 | - | 2.0 |
| KELLOCRYL LB-3411 | Acrylic resin Good adhesion Good hardness and solvent resistance | Toluene 50 | 100 max | 5,000 | - | 3.1 |
| KELLOCRYL LB-9003 | Acrylic resin Acrylic polyol Good adhesion to glass surface Excellent hardness Excellent gloss Low viscosity | Xylene 30, n-Butanol 20 | 100 max | 150 | 1.11 | 3.4 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|---------|---------|----------|-------------|----------|---------------------|--------------------|---|
| 130 | 16,000 | 4 | 1 | 1 | 4 | 4 | Tow-component polyurethane coating for various substrates |
| -50 | 5,800 | 1 | 5 | 4 | 1 | 1 | Levelling agent for coating and ink |
| -7 | 110,000 | 1 | 5 | 4 | 1 | 1 | Levelling agent for coating and ink |
| 18 | 16,000 | 4 | 1 | 1 | 2 | 2 | Two-component polyurethane coating for wood and plastic |

KELLOCRYL Acrylic Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|--------------------------|---|----------------------------|--------------|-----------------------|----------------|----------------------|
| KELLOCRYL LB-9004 | Acrylic resin Acrylic polyol Good adhesion to glass surface Excellent hardness Excellent gloss Low viscosity | Xylene 31, n-Butanol 20 | 100 max | 700 | 1.11 | 4.4 |

| Tg (°C) | MW | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|------------|--------|----------|-------------|----------|---------------------|--------------------|---|
| 54 | 22,000 | 3 | 2 | 3 | 3 | 3 | Two-component polyurethane coating for wood and plastic |

KELLOKYD Short Oil Alkyds

| Product Name | Description Key Features | Diluent (%) | Color (Gardner) | Viscosity (Gardner, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|-------------------------|--|-----------------------|-----------------|---------------------------------|----------------|----------------------|
| KELLOKYD LD-1010 | Very short Oil alkyd resins Easy to sand Good weatherability | Toluene 40 | 7 max | Z - Z ₃ | 2.40 | 18 max |
| KELLOKYD LD-1012 | Very short oil alkyd resin Fast drying Excellent hardness High gloss | Xylene 30, MIBK 10 | 3 max | Z ₃ - Z ₅ | 2.88 | 25 max |
| KELLOKYD LD-1025 | Very short oil alkyd resin Good adhesion to steel Good hardness | Xylene 40 | 7 max | Z ₃ - Z ₅ | 2.01 | 20 max |
| KELLOKYD LD-1026 | Very short oil alkyd resin Good hardness and gloss Excellent adhesion and crack resistance | Xylene 50 | 7max | X - Z | 1.67 | 18 max |
| KELLOKYD LD-2055 | Short oil alkyd resin Fast drying Good workability Easy to sand | Toluene 45 | 8 max | Z ₂ - Z ₄ | 3.52 | 20 max |

KELLOKYD Medium Oil Alkyds

| Product Name | Description Key Features | Diluent (%) | Color (Gardner) | Viscosity (Gardner, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|-------------------------|--|------------------------------|-----------------|---------------------------------|----------------|----------------------|
| KELLOKYD LD-3406 | Medium oil alkyd resin Good hardness Good scratch resistance, adhesion and impact resistance Very good durability | Xylene 32 Butyl acetate 8 | 7 max | Z ₁ - Z ₃ | 4.10 | 15 max |
| KELLOKYD LD-3440 | Medium oil alkyd resin Easy to sanding Fast drying | Toluene 40 | 8 max | Z ₃ - Z ₅ | 2.61 | 15 max |

| Polymer Solid (%) | Oil Type | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|-------------------|----------|----------|-------------|----------|---------------------|--------------------|--|
| 60 | COFA | 3 | 2 | 2 | 2 | 2 | Amino alkyd paint |
| 60 | COFA | 4 | 1 | 1 | 4 | 4 | Urethane top or under coatings for wood |
| 60 | SOFA | 2 | 4 | 4 | 2 | 2 | In conjunction with melamin resin for the manufacture of baking enamel |
| 50 | TOFA | 2 | 4 | 4 | 2 | 2 | Tow-component polyurethane coating for wood |
| 55 | SOFA | 3 | 2 | 2 | 2 | 2 | Urethane sanding sealer for wood |

| Polymer Solid (%) | Oil Type | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|-------------------|------------|----------|-------------|----------|---------------------|--------------------|--|
| 60 | Castor Oil | 4 | 2 | 3 | 4 | 4 | Two-combination urethane coatings for steel and wood |
| 60 | TOFA | 3 | 1 | 1 | 3 | 3 | Tow-combination urethane sanding sealer |

KELLOKYD Modified Oil Alkyds

| Product Name | Description Key Features | Diluent (%) | Color (Gardner) | Viscosity (Gardner, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|-------------------------|---|--------------------------|-----------------|---------------------------|----------------|----------------------|
| KELLOKYD LD-5500 | Styrene modified alkyd resins Fast air drying | Xylene 2, Toluene 33 | 8 max | R - T | - | 16 max |
| KELLOKYD LD-6200 | Styrene modified alkyd resin Fast drying Very good chemical resistance | Toluene 43 | 6 max | S - U | - | 15 max |
| KELLOKYD LD-6300 | Urethane modified alkyd resins Fast air drying | Aromatic naphtha 38 | 10 max | T - V | - | - |
| KELLOKYD LD-6445 | Urethane modified alkyd resin Fast air drying | Toluene 20, Xylene 20 | 8 max | X - Z | 0.60 | 5 max |
| KELLOKYD LD-6860 | Modified alkyd resin Good reactivity and hardness, adhesion Very good chemical resistance | n-Butyl acetate 40 | 5 max | T - V | 2.84 | 3 max |

| Polymer Solid (%) | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|-------------------|----------|-------------|----------|---------------------|--------------------|---|
| 65 | 3 | 1 | 1 | 3 | 3 | Nitrocellulose coatings and enamels for wood |
| 57 | 4 | 1 | 1 | 4 | 4 | Anticorrosive vanish |
| 62 | 3 | 1 | 1 | 3 | 3 | Nitrocellulose coatings and enamels for wood |
| 60 | 3 | 1 | 1 | 3 | 3 | Nitrocellulose coatings and enamels for wood |
| 60 | 4 | 1 | 3 | 4 | 4 | Two-combination urethane wood sealer Rose sealer |

KELLOKYD Oil Free Alkyds

| Product Name | Description Key Features | Diluent (%) | Color (Gardner) | Viscosity (Gardner, 25°C) | OH% (Solution) | Acid Value (mgKOH/g) |
|-------------------------|---|--------------------------------------|-----------------|---------------------------|----------------|----------------------|
| KELLOKYD LD-7102 | Oil free alkyd resin Excellent mechanical film properties Very good hardness Extremely good gloss | Xylene 15, Butyl cellosolve 15 | 3 max | Z1 - Z3 | 5.90 | 15 max |
| KELLOKYD LD-7680 | Oil free alkyd resin Excellent weatherability Good physical and mechanical properties Good adhesion to wood and plastics High gloss | n-Butyl acetate 20 | 3 max | X - Z | 4.00 | 5 max |

| Polymer Solid (%) | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|-------------------|----------|-------------|----------|---------------------|--------------------|---|
| 70 | 4 | 1 | 2 | 4 | 4 | Industrial paint |
| 80 | 4 | 2 | 3 | 4 | 4 | Urethane top coatings for wood, plastic and metal |

KELLOSTER Unsaturated Polyester Resins (Wax Type)

| Product Name | Description Key Features | Diluent (%) | Color (Gardner) | Viscosity (Gardner, 25°C) | Acid Value (mgKOH/g) | Gel time (min) |
|--------------------------|--|-----------------------|-----------------|---------------------------|----------------------|----------------|
| KELLOSTER LE-1310 | Wax type unsaturated polyester resin Good reactivity Good sagging limit and high build High gloss | Styrene monomer 30 | 2 max | W - Y | 45 max | 6 |
| KELLOSTER LE-1370 | Wax type unsaturated polyester resin Good sagging limit and high build High gloss | Styrene monomer 36 | 2 max | R - T | 30 max | 10 |
| KELLOSTER LE-1825 | Wax type unsaturated polyester resin High gloss Good buffing properties | Styrene monomer 40 | 2 max | L - M | 40 max | 13 |
| KELLOSTER LE-1827 | Wax type unsaturated polyester resin High gloss Good buffing properties | Styrene monomer 36 | 2 max | L - O | 55 max | 11 |

| Polymer Solid (%) | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|-------------------|----------|-------------|----------|---------------------|--------------------|---|
| 70 | 4 | 1 | 2 | 4 | 4 | Basic resin for the formulation of clear and pigmented REDOX curing polyester basecoats |
| 64 | 3 | 1 | 2 | 3 | 3 | Spray coating for musical instrument and wood furniture |
| 60 | 3 | 1 | 1 | 3 | 3 | Curtain flow coating for musical instrument and wood furniture |
| 64 | 3 | 1 | 1 | 3 | 3 | Curtain flow coating for musical instrument and wood furniture |

KELLOSTER Unsaturated Polyester Resins (Wax Free)

| Product Name | Description Key Features | Diluent (%) | Color (Gardner) | Viscosity (Gardner, 25°C) | Acid Value (mgKOH/g) | Gel time (min) |
|--------------------------|--|-----------------------|-----------------|---------------------------|----------------------|----------------|
| KELLOSTER LE-5000 | Wax free type unsaturated polyester resin Low yellowing Excellent transparency and gloss, smoothness Good mixing with pigments or fillers | Styrene monomer 25 | 2 max | V - X | 20 max | 30 |
| KELLOSTER LE-5008 | Wax free type unsaturated polyester resin High gloss Good hardness High reactivity | Styrene monomer 30 | 2 max | R - T | 37 max | - |
| KELLOSTER LE-5401 | Wax free type unsaturated polyester resin Good levelling Good flexibility Good reactivity | Styrene monomer 20 | 3 max | Z1 - Z3 | 45 max | - |
| KELLOSTER LE-5500 | Wax free type unsaturated polyester resin Easy to sanding, Good levelling Styrene Tolerance 300% | Styrene monomer 30 | 2 max | V - X | 30 max | 30 |
| KELLOSTER LE-5940 | Wax free type unsaturated polyester resin High build film, Low viscosity | Styrene monomer 35 | 2 max | J - L | 40 max | - |

| Polymer Solid (%) | Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|-------------------|----------|-------------|----------|---------------------|--------------------|--|
| 75 | 3 | 2 | 2 | 2 | 2 | Plasticising resin for REDOX and UV curing system Polyester top coating for wood Musical instruments |
| 70 | 4 | 1 | 3 | 4 | 4 | Curtain flow coating for musical instrument and wood furniture Highly reactivity direct gloss polyester resin for use in bot UV and REDOX curing system Excellent results when used in pigmented UV products |
| 80 | 2 | 4 | 3 | 2 | 2 | Polyester resin for use in both UV and REDOX curing system |
| 70 | 2 | 2 | 2 | 2 | 2 | Polyester sanding sealer Middle coat Surfacer coat for furniture, musical instruments |
| 65 | 2 | 2 | 2 | 2 | 2 | Spray coating for wood |

KELLOSTER Saturated Polyester Resins

| Product Name | Description Key Features | Diluent (%) | Color (Gardner) | Viscosity (Gardner, 25°C) | Acid Value (mgKOH/g) | Polymer Solid (%) |
|--------------------------|--|----------------------|-----------------|---------------------------------|----------------------|-------------------|
| KELLOSTER LE-8700 | Polyester resin Excellent mechanical film properties Very good hardness, chemical resistance High gloss | PMA 30 | 1 max | Z ₂ - Z ₄ | 5 max | 70 |
| KELLOSTER LE-8900 | Polyester resin Excellent mechanical film properties Very good hardness, chemical resistance High gloss | PMA 14, Xylene 14 | 3 max | X - Z | 20 max | 72 |

| Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|----------|-------------|----------|---------------------|--------------------|--------------------------------|
| 3 | 1 | 3 | 4 | 4 | Coatings for wood and plastics |
| 3 | 1 | 3 | 4 | 4 | Coatings for wood and plastics |

KELLORESIN Soft Feel Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (CPS, 25°C) | OH% (Solution) | Polymer Solid (%) |
|---------------------------|--|-------------|--------------|-----------------------|----------------|-------------------|
| KELLORESIN LF-2040 | Modified polyolefin Good soft feel Excellent stain resistance Excellent dip dyeing resistance Good scratch resistance Good solvent resistance | Toluene 15 | 100 max | 900 | 4.04 | 85 |

| Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|----------|-------------|----------|---------------------|--------------------|---|
| 2 | 3 | 3 | 3 | 3 | Soft feel coating Dip dyeing resistance coatings on plastic |

KELLOMIN Amino Resins

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (Gardner) | Acid Value (mgKOH/g) | Polymer Solid (%) |
|-------------------------|---|--------------|--------------|---------------------|----------------------|-------------------|
| KELLOMIN LA-2605 | Melamine resin In conjunction with alkyd resin and acrylic resin for the manufacture of stoving enamel Good film hardness, body, gloss and alkali resistance Excellent exterior durability | n-Butanol 40 | 100 max | L - N | 1 max | 60 |

KELLONATE Polyisocyanates

| Product Name | Description Key Features | Diluent (%) | Color (APHA) | Viscosity (Gardner) | NCO (%) | Polymer Solid (%) |
|--------------------------|--|------------------|--------------|---------------------|--------------|-------------------|
| KELLONATE LC-1770 | Polyisocyanate resin Aromatic Hardness Compatibility with polyol, solvent Solubility Cold-proof | Ethyl acetate 32 | 100 max | T - V | 18.5 - 19.5% | 68 |

| Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|----------|-------------|----------|---------------------|--------------------|--|
| 4 | 1 | 3 | 4 | 4 | Stoving finishes for temperatures over 100°C automotive finishes and primer-surfacers |

| Hardness | Flexibility | Adhesion | Chemical resistance | Scratch resistance | Application |
|----------|-------------|----------|---------------------|--------------------|--|
| 4 | 1 | 3 | 4 | 4 | Aromatic adduct for glossy polyurethane coatings or for use as plasticising partner for more brittle isocyanates |



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