

PRODUCT LISTING CHART



MetamorphicMaterials

Transformative Technologies

POLYESTER URETHANE ACRYLATES				
PRODUCT	OLIGOMER TYPE	APPLICATION(S)	FEATURES & BENEFITS	VISCOSITY
MR-2-63	Aromatic Urethane Acrylate	Inks, Adhesives, Coatings	Adhesion, Wear Resistance, Flexibility	140,000 cps @ 50°C
MR-2316	Hard Aliphatic Urethane Acrylate	Coatings, Electronics, Flooring	Abrasion Resistance, Low Color, Non-Yellowing, Imparts Hardness	65,000 cps @ 60°C
X5-162	Ether/Ester Aliphatic Urethane	Adhesives, Inks, Coatings	Adhesion, Toughness, Low Color, Non-Yellowing,	75,000 cps @ 50°C
MR-3432	Aliphatic Urethane Acrylate	Adhesives, UV-Cured Gaskets, Overprint Varnishes, Post Formable Coatings	High Weatherability, Non-Yellowing, Low Shrinkage, Toughness	180,000 cps @ 60°C
MR-906	Aliphatic Urethane Diacrylate	Adhesives, Coatings, Electronics	Hydrolytic Stability, High Weatherability, Low Shrinkage, Low Color, Low Neat Viscosity; Imparts Abrasion Resistance and Flexibility	12,500 cps @ 25°C
MR-909	Aliphatic Urethane Triacrylate	Adhesives, Coatings, Electronics	Water Resistance, High Weatherability, Low Shrinkage, Toughness	25,000 cps @ 25°C

POLYETHER URETHANE ACRYLATES				
PRODUCT	OLIGOMER TYPE	APPLICATION(S)	FEATURES & BENEFITS	VISCOSITY
MR-1082	Aliphatic Urethane Triacrylate	Adhesives, Gaskets, Laminating	Hydrolytic Stability, Low Shrinkage, Non-Yellowing, Improves Adhesion	44,000 cps @ 25°C
MR-1404	Aromatic Urethane Acrylate	Adhesives, Potting Compounds, Gaskets, Laminating	Low Shrinkage, High Elongation	35,000 cps @ 60°C
MR-1246TA	High Elongation Aliphatic Urethane	Laminating, Sealants, Potting	1.3 Functional High Elongation Softness	52,000 cps @ 50°C
XMR-1246TAS	Very High Elongation Aliphatic Urethane	Adhesives, Laminating, Sealants, Potting	1.3 Functional High Elongation Softness. Contains Added Antioxidant	52,000 cps @ 50°C
MR3-51	Very High Elongation Aliphatic Urethane	Laminating, Sealants, Potting	Excellent Elongation, Low Tg & Modulus, Non-Yellowing	75,000 cps @ 25°C
XMR-5-153	Aliphatic Urethane Acrylate	Adhesives, Potting Compounds, Laminating	Moderate Elongation, Low Shrinkage, Softness, Non-Yellowing	125,000 cps @ 25°C
XMR-5-188	Aliphatic Urethane Acrylate	Hot Stamp Inks, Adhesives, Laminating	Bio-Based, Hydrolytic Stability, Low Shrinkage	75,000 cps @ 25°C
MR-4022	Aliphatic Urethane Acrylate	Adhesives (Peroxide or UV-Cured), Coatings, Electronics	Water Resistance, Weatherability, Low Shrinkage, Toughness	175,000 cps @ 25°C
MR-4032	Aliphatic Urethane Acrylate	Adhesives, Coatings, Electronics	Adhesion, Water Resistance, Weatherability, Low Shrinkage, Toughness	30,000 cps @ 50°C
MR-4116	Aliphatic Urethane Acrylate	Adhesives, Abrasion-Resistant Coatings, Overprint Varnishes	High Weatherability, Hydrolytic Stability, Toughness, Abrasion Resistance	wax (<1MM cps) @ 25°C
MR-4126	Aliphatic Urethane Acrylate	Adhesives, Abrasion-Resistant Coatings, Overprint Varnishes, 3D Printing	Adhesion, Water Resistant, High Weatherability, Low Shrinkage, Toughness	26,000 cps @ 50°C

Continued next page

PRODUCT LISTING CHART



MetamorphicMaterials

Transformative Technologies

POLYETHER URETHANE ACRYLATES <i>(continued)</i>				
PRODUCT	OLIGOMER TYPE	APPLICATION(S)	FEATURES & BENEFITS	VISCOSITY
X2-31	Aliphatic Urethane Acrylate	Adhesives, 3D Printing, Overprint Varnishes	Excellent Weatherability & Abrasion Resistance, Toughness	18,000 cps @ 50°C
MR4626-I15	Aliphatic Urethane Acrylate	Adhesives, Overprint Varnishes, Abrasion Resistant Coatings, Contains 15% IBOA	Water Resistance, High Weatherability, Low Shrinkage, Non-Yellowing	wax (<1MM cps) @ 25°C 90,000 cps @ 50°C
MR-1040	Aromatic Urethane Acrylate	Adhesives, Gaskets, Laminating	Hydrolytic Stability, Low Shrinkage, High Elongation, Weatherability	35,000 cps @ 25°C
MR-1062	Aliphatic Urethane Triacrylate	Adhesives, Coatings, Electronics	Hydrolytic Stability, High Weatherability, Low Shrinkage, Water Resistance, Toughness	70,000 cps @ 60°C

POLYETHER URETHANE METHACRYLATES				
PRODUCT	OLIGOMER TYPE	APPLICATION(S)	FEATURES & BENEFITS	VISCOSITY
MR-1002M	Aliphatic Urethane Methacrylate	Peroxide or UV-Cured Adhesives, Potting, Laminating	High Bond Strength, Low Shrinkage, Good Weatherability, Toughness	80,000 cps @ 25°C
MR-1040M	Aromatic Urethane Methacrylate	Adhesives, Gaskets, Laminating	Hydrolytic Stability, Low Shrinkage, High Elongation, Weatherability	15,000 cps @ 25°C
MR-1082M	Aliphatic Urethane Trimethacrylate	Adhesives, Potting Compounds, Gaskets, Laminating	Hydrolytic Stability, Low Shrinkage, Non-Yellowing, Imparts Improved Adhesion	44,000 cps @ 25°C
MR-4022M	Aliphatic Urethane Methacrylate	Adhesives, Coatings, Electronics	Tough, Low Viscosity & Shrinkage	175,000 cps @ 25°C
MR-4032M	Aliphatic Urethane Methacrylate	Adhesives, Abrasion-Resistant Coatings, Sealants, Plastic Bonding, Post Formable Coatings	Water, Resistance, High Weatherability, Low Shrinkage, Toughness	30,000 cps @ 50°C
MR-4116M	Aliphatic Urethane Methacrylate	Adhesives, Abrasion-Resistant Coatings	Good Water Resistance & Weatherability, Toughness & Flexibility	100,000 cps @ 50°C
MR-4126M	Aliphatic Urethane Methacrylate	Adhesives (Peroxide or UV-Cured), Coatings, Electronics	Weatherability, Water Resistance, Low Shrinkage	55,000 cps @ 50°C

OTHER URETHANE ACRYLATES & METHACRYLATES				
PRODUCT	OLIGOMER TYPE	APPLICATION(S)	FEATURES & BENEFITS	VISCOSITY
UDMA	Aliphatic Urethane Dimethacrylate	Adhesives (Peroxide or UV-Cured), Dental or Cosmetic Coatings and Composites, Electronics, Stereolithography	Water Resistant, Weatherability, Tough, Low Viscosity	8,000 cps @ 25°C