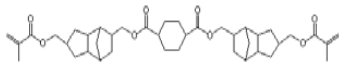
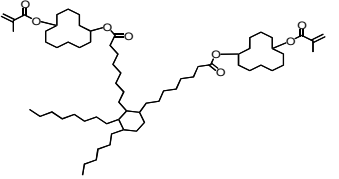
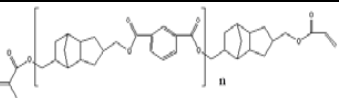

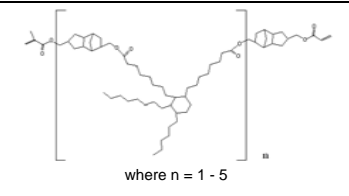
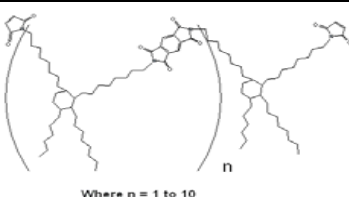
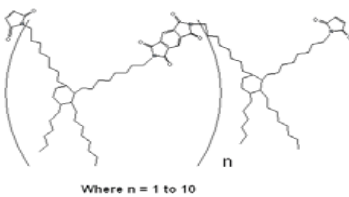
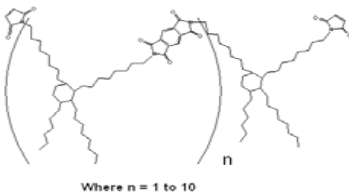
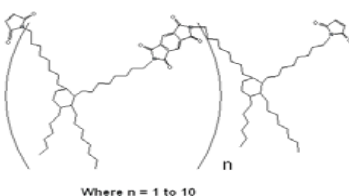
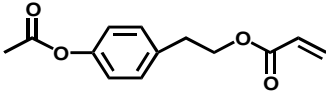
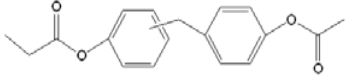
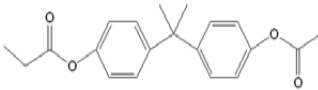
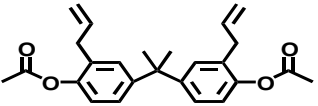
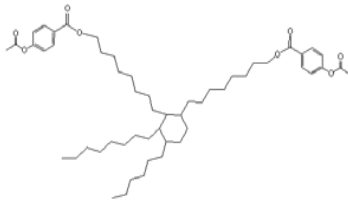
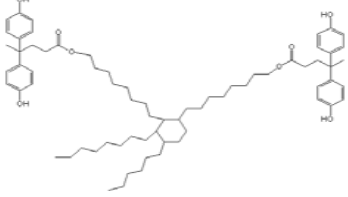
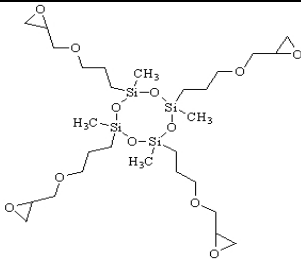
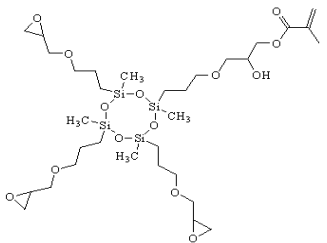
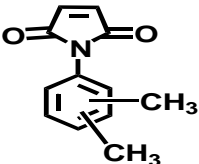
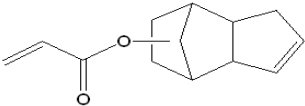
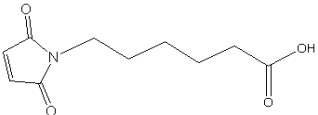
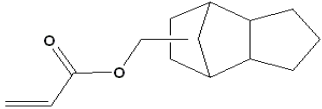
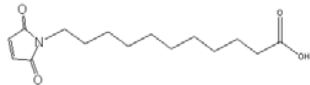
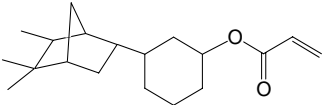


P/N	PRODUCT	DESCRIPTION	STRUCTURE**	FEATURES	APPEARANCE	VISCOSITY (25deg C)	SUGGESTED APPLICATION
URETHANES							
						Room Temp	cps
R1095	U-793	Urethane resin functionalized with a methacrylate and an epoxy.	N/A	<ul style="list-style-type: none"> ·Excellent toughener ·Hydrophobic ·Flexible ·Adhesion promoter ·Dual cure mechanism ·Good thermal stability 	Viscous brown liquid	4,300	<ul style="list-style-type: none"> ·Pre-applied adhesives ·UV adhesives
R1102	U-835	Urethane resin functionalized with an acrylate and a methacrylate.	N/A	<ul style="list-style-type: none"> ·Excellent toughener ·Fast cure ·Flexible ·Hydrophobic ·Good thermal stability 	Yellow liquid	3,000	<ul style="list-style-type: none"> ·Adhesives for metal ·UV adhesives
POLYESTER METHACRYLATES							
						Room Temp	cps
R1188	PEM-665	A methacrylate terminated polyester oligomer that has low color and low cure shrinkage.		<ul style="list-style-type: none"> ·Low color ·Low shrinkage ·Thermal stability ·Tough 	Liquid with a light yellow tint	3,000 (50deg C)	·Dental
R1157	PEM-1066	A polyester methacrylate that exhibits excellent adhesion, ultra low warpage, and hydrophobicity.		<ul style="list-style-type: none"> ·Low modulus ·Hydrophobic ·Excellent hydrolytic resistance ·High adhesion* ·Adhesion to metals ·Flexibilizer 	Light yellow liquid	16,500	<ul style="list-style-type: none"> ·Dental ·Moisture resistant coatings
POLYESTER ACRYLATE METHACRYLATES							
						Room Temp	cps
R1096	PEAM-645	A polyester acrylate/methacrylate that exhibits low CTE, high Tg, and high modulus.	 where n = 1 - 5	<ul style="list-style-type: none"> ·High Tg ·Low CTE ·High adhesion* ·Thermal stability 	Amber liquid	5,000 (40deg C)	·Low CTE thermosets
R1111	PEAM-1044	A polyester acrylate/methacrylate that exhibits excellent adhesion, low warpage, and hydrophobicity.	 where n = 1 - 5	<ul style="list-style-type: none"> ·Low warpage ·Hydrophobic ·High adhesion* ·Thermal stability 	Amber liquid	4,500	·Low stress coatings

P/N	PRODUCT	DESCRIPTION	STRUCTURE**	FEATURES	APPEARANCE	VISCOSITY (25deg C)	SUGGESTED APPLICATION
R1144	PEAM-1769	A polyester acrylate/methacrylate that exhibits excellent adhesion, ultra low warpage, and hydrophobicity.	 where n = 1 - 5	<ul style="list-style-type: none"> ·Ultra low modulus ·Hydrophobic ·High adhesion* ·Thermal stability ·Adhesion to metals ·Flexibilizer 	Amber liquid	20,000	·Low stress coatings
BISMALEIMIDES						Room Temp	cps
R1130	BMI-3000	Bismaleimide oligomer that exhibits excellent flexibility and, on cure, forms very tough, hydrophobic polyimides.	 Where n = 1 to 10	<ul style="list-style-type: none"> ·Toughener ·Hydrophobic ·High adhesion* ·Superior thermal stability 	Light yellow powder	N/A	<ul style="list-style-type: none"> ·Film adhesives ·Pre-applied adhesives ·Adhesion to metal
R1177	BMI-3000	Bismaleimide oligomer that exhibits excellent flexibility and, on cure, forms very tough, hydrophobic polyimides.	 Where n = 1 to 10	<ul style="list-style-type: none"> ·Toughener ·Hydrophobic ·High adhesion* ·Superior thermal stability 	Dark brown liquid (50% solution in toluene)	--	<ul style="list-style-type: none"> ·Film adhesives ·Pre-applied adhesives ·Adhesion to metal
R1171	BMI-5000	An imide-extended bismaleimide oligomer that exhibits excellent toughness in the cured stated with an intermediate cross-link density.	 Where n = 1 to 10	<ul style="list-style-type: none"> ·Low cross-link density ·Non-tacky ·Film-forming ·Maleimide functional oligomer ·Cures to a tough thermoset ·Additive to enhance toughness in thermoset compositions 	Dark brown liquid (50% solution in toluene)	1,000	<ul style="list-style-type: none"> ·Film adhesives ·Thermally resistant adhesives
R1176	BMI-9000	An imide-extended bismaleimide oligomer that exhibits excellent toughness in the cured stated with a relatively low cross-link density.	 Where n = 1 to 10	<ul style="list-style-type: none"> ·Low cross-link density ·Non-tacky ·Film-forming ·Maleimide functional oligomer ·Cures to a tough thermoset ·Additive to enhance toughness in thermoset compositions 	Dark brown liquid (50% solution in toluene)	500	<ul style="list-style-type: none"> ·Film adhesives ·Thermally resistant adhesives

P/N	PRODUCT	DESCRIPTION	STRUCTURE**	FEATURES	APPEARANCE	VISCOSITY (25deg C)	SUGGESTED APPLICATION
EPOXY CURATIVES						Room Temp	cps
R1146	EC-234	A phenyl ester epoxy curative hybrid.		<ul style="list-style-type: none"> Hybrid cure Low viscosity 	Light yellow liquid	40	<ul style="list-style-type: none"> UV Adhesives B-stageable adhesives
R1170	EC-298	A difunctional phenyl ester epoxy curative.		<ul style="list-style-type: none"> Stable Low viscosity Does not impede free radical cure 	Light yellow liquid	500	<ul style="list-style-type: none"> Thermoset adhesives Curative for epoxy/(meth)acrylate hybrids Hybrid epoxy/free radical thermosets
R1147	EC-326	A bisphenol A based acetate/propionate epoxy curative.		<ul style="list-style-type: none"> Hydrolytically resistant Low melting point Thermal stability Hydrophobic Toughener Does not impede free radical cure 	White/yellow solid	2200***	<ul style="list-style-type: none"> Film adhesives Pre-applied adhesives
R1148	EC-392	A phenyl ester epoxy curative hybrid of bisphenol A.		<ul style="list-style-type: none"> Dual cure mechanism High cross-link density Multifunctional Thermal stability 	Amber liquid	3,200	<ul style="list-style-type: none"> B-stageable adhesives Epoxy and BMI co-curative
R1165	EC-861	A phenyl acetate epoxy curative.		<ul style="list-style-type: none"> Low modulus Toughener Hydrolytically resistant thermosets Hydrophobic Thermal stability Does not impede free radical cure 	Yellow liquid	3,000	<ul style="list-style-type: none"> Low stress epoxy thermosets
R1149	EC-1074	A tetra-phenol epoxy curative derived from dimerdiol.		<ul style="list-style-type: none"> Low modulus Toughener Hydrolytically resistant thermosets Hydrophobic Thermal stability 	Amber glassy solid	N/A	<ul style="list-style-type: none"> Film adhesives Pre-applied adhesive compositions

P/N	PRODUCT	DESCRIPTION	STRUCTURE**	FEATURES	APPEARANCE	VISCOSITY (25deg C)	SUGGESTED APPLICATION
CYCLOSILOXANES							
						Room Temp	cps
R1163	CS-697	A polyglycidyl ether cyclosiloxane monomer.		<ul style="list-style-type: none"> ·Dual cure mechanism ·Multifunctional ·UV curable ·Low chloride ·Low viscosity ·Colorless ·Non-yellowing (UV exposure) 	Colorless liquid	200	·UV cures
R1116	CS-783	A methacrylate epoxy functional hybrid cyclosiloxane monomer.		<ul style="list-style-type: none"> ·Dual cure mechanism ·Multifunctional ·UV curable ·Low chloride ·Low viscosity 	Yellow liquid	400	<ul style="list-style-type: none"> ·Hybrid cures ·UV cures ·B-Stageable adhesives
MONOFUNCTIONAL MONOMERS							
						Room Temp	cps
R1151	MM-201L	A liquid monomaleimide.		<ul style="list-style-type: none"> ·Hydrolytically resistant ·Liquid maleimide ·Moderate viscosity ·High thermal stability ·Low weight loss on cure ·High Tg 	Red liquid****	900	·Adhesives
R1173	MM-204	A monofunctional acrylate monomer.		<ul style="list-style-type: none"> ·Low viscosity ·High glass transition temp. ·Low cure shrinkage ·Hydrolytically resistant ·Diluent for thermoset resins ·High Tg 	Light tan liquid	50	·UV or peroxide cured resins, coatings, or adhesives
R1175	MM-211	An intermediate chain length, maleimide terminated carboxylic acid.		<ul style="list-style-type: none"> ·Flexible aliphatic backbone ·Maleimide and carboxylic acid functional groups ·Adhesion promoter 	Light colored powder	N/A	·Intermediate for ester and amide linked maleimide monomers

P/N	PRODUCT	DESCRIPTION	STRUCTURE**	FEATURES	APPEARANCE	VISCOSITY (25deg C)	SUGGESTED APPLICATION
R1139	MM-220	A low viscosity mono-acrylate monomer.		<ul style="list-style-type: none"> ·Low weight loss on cure ·Helps reduce cure shrinkage ·Low viscosity 	Light yellow liquid	< 100	·UV cure coatings
R1121	MM-281	A long chain maleimide terminated carboxylic acid.		<ul style="list-style-type: none"> ·Flexible aliphatic backbone ·Maleimide and carboxylic acid functional groups ·Adhesion promoter 	White to off-white solid	N/A	·Intermediate for ester and amide linked maleimide monomers
R1134	MM-290	A liquid mono-functional acrylate monomer.		<ul style="list-style-type: none"> ·Lower weight loss on cure than isobornyl acrylate, ·Mild, pleasant odor, ·Hydrolytic resistance 	Light tan liquid	110	·UV or peroxide cured resins, coatings, or adhesives

Data shown above is for reference only and may vary depending on testing method used.

* Various substrates

** Many of the structures are an idealized representation of a statistical distribution.

*** Supercooled

**** Storage at < 25deg C will result in the precipitation of some solids. The fully liquid state can be regenerated by warming to 40deg C until all solids redissolve.