

台灣總公司 國精化學股份有限公司

82841 高雄市永安工業區永工五路2號  
TEL: 886-7-6236199  
FAX: 886-7-6244228 ; 886-7-6241972  
customer@qualipoly.com.tw ; sales7@qualipoly.com.tw  
www.qualipoly.com.tw

中國江門 國精合成材料有限公司

廣東省江門市杜阮鎮龍榜工業區環鎮路18-20號  
TEL: 86-7508226933 ; FAX: 86-7508226987  
customer@qualipoly.com.cn

中國上海 昆山朝建化學材料有限公司

江蘇省昆山市花橋鎮綠地大道231弄8號樓804室  
TEL: 86-51250365869 ; FAX: 86-51250365865  
customer3@qualipoly.com.cn



#### Headquarter / Manufacture Site

No.2, Yong Gong 5th Rd., Yong An Dist.,  
Kaohsiung City 82841, Taiwan  
TEL: 886-7-6236199  
FAX: 886-7-6244228 ; 886-7-6241972  
customer@qualipoly.com.tw ; sales7@qualipoly.com.tw  
www.qualipoly.com.tw

#### Manufacture Site (China)

QUALIPOLY TECHNOLOGY CORP.  
No.18-20, Huanzhen Rd., Longbang Industrial Park, Duruan Town,  
Jiangmen City, Guangdong Province, China  
TEL: 86-7508226933 ; FAX: 86-7508226987  
customer@qualipoly.com.cn

QUALIPOLY TECHNOLOGY(Kun Shan) CORP.  
Unit 804-8-8, Lane 231, Lvdi Boulevard Huaqiao Town, Kunshan City,  
Jiangsu Province, China  
TEL: 86-51250365869 ; FAX: 86-51250365865  
customer3@qualipoly.com.cn

UV Curable  
Materials  
QualiCure™



Qualipoly has been developing and manufacturing synthetic resins since 1978. Over the past decades, Qualipoly kept seeking opportunities to cooperate with well-known enterprises for licensing agreements, with the cutting-edge technology from Neste Finland and Ashland U.S.A., our market share had increased dramatically, and by introducing new product categories such as unsaturated polyester resins, coating resins, fundry resins, etc., our business had been pushed through the limit. Meanwhile, we acquired the certificates of ISO 9001, ISO 14001 as well as OHSAS 18001 to fulfill our quality and social responsibility commitment. Since 2011 Qualipoly has completed its all-new production line for UV curable materials, followed by a giant leap of global market expansion and manufacture technology.

Today, by the success of well-developed R&D ability, advanced manufacture processes and efficient logistic team, Qualipoly is becoming a global company. Qualipoly has revolutionized in many aspects. We are ready to serve our customers with high value-added chemicals. In the next decades, Qualipoly will make itself a valuable and sustainable enterprise.

- 2017 Established the R&D center to undertake sophisticated and innovative projects.
- 2016 Commercialized fine chemicals for application in energy industry.
- 2015 Established overseas subsidiary Qualipoly Technology (KUNSHAN) Corporation in Shanghai, China.
- 2014 Commercialized UV curable materials for white solder ink and flexible solder resist ink.
- 2012 Listed on Taiwan Stock Exchange.
- 2011 Completed the production expansion project for UV curable materials.  
Registered the trademark QualiCure™ for UV curable materials.
- 2009 Granted ISO 14001:(2004) & OHSAS 18001:(2007) certification by L.R.Q.A.
- 2006 Established overseas manufacture plant Qualipoly Technolgy Corp. in Guangdong, China.
- 2005 Commercialized UV curable materials and oligomers.
- 1995 Granted ISO 9002:(1994) certification by L.R.Q.A.
- 1993 Licensing agreement with Becker(Sweden) for oil free polyester resin.
- 1987 Obtained certification of approval from Lloyd's Register of shipping for laminating resin.  
Licensing agreement with Ashland Chemical Co.,(USA) for unsaturated polyester resin.  
Licensing agreement with Soab AB(Sweden) for alkyd resin and amino resin.
- 1983 Licensing agreement with AB Syntes(Sweden) for low styrene emission polyester resin.
- 1978 Qualipoly Chemical Corporation was founded in Kaohsiung, Taiwan.



ISO 9001  
10065023



ISO 14001  
10065011



OHSAS 18001  
10065010

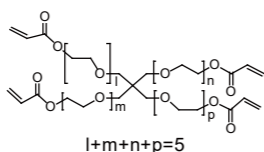
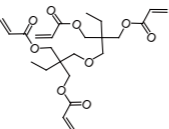
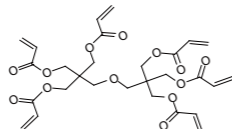
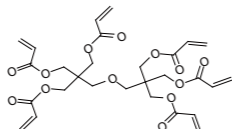
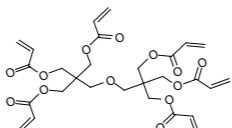
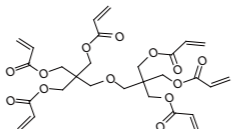
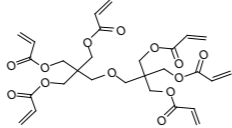
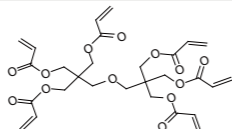
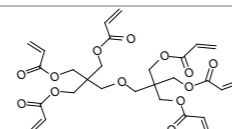
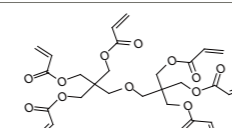
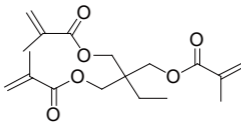
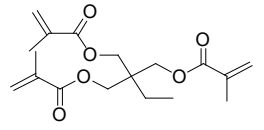


Product Name	Chemical Name	Structure Formula	Molecular Weight	APHA max.	Refractive Index	Inhibitor MEHQ,ppm	Acid Value mgKOH/g max.	Specific Gravity 25°C	Dyne/cm	Viscosity 25°C,cps	Features
GM61H0A	Isotridecyl Acrylate ITDA		255	50	1.446	100 ~ 300	0.5	0.700 ~ 0.900	-	3 ~ 12	Flexibility Low odour Low shrinkage Low Tg
GM61HR0	O-phenylphenoxyethyl Acrylate OPPEOA		268	100	1.576	100 ~ 400	0.5	1.130 ~ 1.150	40.6	120 ~ 150	High refractive index Low skin irritation Low odour
GM61J00	Lauryl Acrylate LA		240	50	1.444	100 ~ 200	0.5	0.700 ~ 0.900	29.0	1 ~ 10	Flexibility Hydrophobicity Low shrinkage Low surface tension
GM61K00	Cyclic Trimethylolpropane Formal Acrylate CTFA		200	50	1.467	150 ~ 350	0.3	1.050 ~ 1.110	35.5	10 ~ 20	Adhesion on plastic and metal substrates Flexibility Low odour Non-yellowing
GM61M00	Isodecyl Acrylate IDA		212	100	1.435	100 ~ 300	0.5	0.840 ~ 0.900	27.1	1 ~ 20	Adhesion Low surface tension Flexibility Diluting power Pigment dispersion Hydrophobicity
GM61N00	Octyl Acrylate OA		184	60	1.435	100 ~ 600	0.2	0.860 ~ 0.890	27.0	2 ~ 10	Flexibility Low shrinkage Wettability Hydrophobicity
GM61NM0	Octyl decyl Acrylate ODA		184 ~ 212	60	1.434	100 ~ 600	0.3	0.860 ~ 0.890	27.2	2 ~ 10	Flexibility Low shrinkage Wettability Hydrophobicity
GM61P00	Tetrahydrofurfuryl Acrylate THFA		156	80	1.458	400 ~ 800	0.5	1.060 ~ 1.080	35.0	3 ~ 12	Adhesion on plastic substrates Diluting power Chemical resistance Hydrophobicity
GM61Q00	Isobornyl Acrylate IBOA		208	30	1.474	100 ~ 300	0.7	0.980 ~ 1.000	29.5	5 ~ 15	Adhesion Low odour High Tg Hydrophobicity
GM61W00	2-(2-Ethoxyethoxy)Ethyl Acrylate EEOEA		188	100	1.435	200 ~ 600	0.5	1.010 ~ 1.030	31.2	3 ~ 8	Adhesion on plastic substrates Diluting power Flexibility Low shrinkage
GM61Z00	2-Phenoxy Ethyl Acrylate 2-PEA		192	120	1.515	200 ~ 600	0.5	1.070 ~ 1.120	38.5	5 ~ 15	Hardness Adhesion Diluting power
GM81H0A	Isotridecyl Methacrylate ITDMA		269	50	1.448	100 ~ 200	0.5	0.860 ~ 0.900	29.0	2 ~ 10	Flexibility Low odour Low shrinkage Low Tg
GM81HDA	Dicyclopentanyl Methacrylate HDCPMA		220	100	1.495	20 ~ 80	0.1	1.030 ~ 1.050	39.0	7 ~ 17	High purity Adhesion Weatherability Low shrinkage
GM81J00	Lauryl Methacrylate LMA		255	100	1.442	100 ~ 600	0.1	0.860 ~ 0.890	28.9	1 ~ 10	Low shrinkage Weatherability Flexibility Hydrophobicity

Product Name	Chemical Name	Structure Formula	Molecular Weight	APHA max.	Refractive Index	Inhibitor MEHQ,ppm	Acid Value mgKOH/g max.	Specific Gravity 25°C	Dyne/cm	Viscosity 25°C,cps	Features
GM62A00	Tripropylene Glycol Diacrylate TPGDA		300	100	1.448	200 ~ 1,000	0.1	1.030 ~ 1.050	32.0	10 ~ 18	Low cost General purpose Diluting power Reactivity
GM62B00	1,6-Hexanediol Diacrylate HDDA		226	60	1.457	100 ~ 300	0.1	1.010 ~ 1.030	34.4	5 ~ 10	Adhesion on plastic substrates Low viscosity Reactivity Chemical resistance Hydrophobicity and heat resistance Weatherability
GM62D00	Dipropylene Glycol Diacrylate DPGDA		242	40	1.449	400 ~ 800	0.5	1.040 ~ 1.100	32.4	7 ~ 13	Adhesion Low viscosity Reactivity Chemical resistance Hydrophobicity and heat resistance
GM62E00	Neopentyl Glycol Diacrylate NPGDA		212	40	1.450	50 ~ 200	0.5	1.010 ~ 1.040	31.0	5 ~ 15	Reactivity Low viscosity Chemical resistance
GM62E2P	Propoxylated(2) Neopentyl Glycol Diacrylate NPG(2)PODA	 l+m=2	328	60	1.446	100 ~ 400	0.5	0.900 ~ 1.100	30.1	10 ~ 20	Adhesion Low viscosity Levability Low shrinkage Diluting power Wettability
GM62R0E	Ethoxylated(10) Bisphenol-A Diacrylate BPA(10)EODA	 m+n=10	776	60	1.515	100 ~ 600	0.2	1.110 ~ 1.170	43.0	350 ~ 800	Low shrinkage Hydrophobicity/hydrophilicity balance Flexibility
GM62R2E	Ethoxylated(2) Bisphenol-A Diacrylate BPA(2)EODA	 m+n=2	424	100	1.55	100 ~ 300	0.2	-	-	-	Adhesion Low shrinkage Chemical resistance and heat resistance Hydrophobicity and scratch resistance
GM62R3E	Ethoxylated(3) Bisphenol-A Diacrylate BPA(3)EODA	 m+n=3	468	100	1.543	200 ~ 800	0.1	1.140 ~ 1.180	42.1	1,400 ~ 2,000	Adhesion Low shrinkage Chemical resistance and heat resistance Hydrophobicity and scratch resistance
GM62R4E	Ethoxylated(4) Bisphenol-A Diacrylate BPA(4)EODA	 m+n=4	512	150	1.536	200 ~ 800	0.2	1.130 ~ 1.160	42.9	1,000 ~ 1,300	Adhesion Low shrinkage Hydrophobicity/hydrophilicity resistance
GM62S70	Polypropylene Glycol(700) Diacrylate PPG(700)DA	 m~9	808	70	1.451	50 ~ 120	0.2	1.010 ~ 1.020	-	50 ~ 90	Flexibility Hydrophilicity Low odour

Product Name	Chemical Name	Structure Formula	Molecular Weight	APHA max.	Refractive Index	Inhibitor MEHQ,ppm	Acid Value mgKOH/g max.	Specific Gravity 25°C	Dyne/cm	Viscosity 25°C,cps	Features
GM62V20	Polyethylene Glycol(200) Diacrylate PEG(200)DA	<p style="text-align: center;">m~4</p>	302	70	1.455	200 ~ 600	0.2	1.080 ~ 1.130	39.1	10 ~ 30	Adhesion Low volatility Flexibility
GM62V40	Polyethylene Glycol(400) Diacrylate PEG(400)DA	<p style="text-align: center;">m~9</p>	508	100	1.465	300 ~ 800	0.2	1.110 ~ 1.150	40.0	30 ~ 70	Adhesion Low shrinkage Flexibility Hydrophilicity
GM62V60	Polyethylene Glycol(600) Diacrylate PEG(600)DA	<p style="text-align: center;">m~13</p>	742	100	1.468	200 ~ 600	0.4	1.110 ~ 1.130	41.5	50 ~ 110	Adhesion Low shrinkage Flexibility Hydrophilicity
GM82I00	Diethylene Glycol Dimethacrylate DEGDMA		242	60	1.457	100 ~ 300	0.5	1.050 ~ 1.080	33.8	5 ~ 10	Adhesion Low viscosity High boiling point Adhesives and offset printing inks
GM82L00	Triethylene Glycol Dimethacrylate TEGDMA		286	80	1.458	100 ~ 300	0.5	1.060 ~ 1.080	34.6	5 ~ 15	Adhesion Low viscosity High boiling point Adhesives and offset printing inks
GM82R0E	Ethoxylated(10) Bisphenol-A Dimethacrylate BPA(10)EODMA	<p style="text-align: center;">m+n=10</p>	808	60	1.511	150 ~ 250	0.5	1.110 ~ 1.150	42.0	200 ~ 700	Low shrinkage Hydrophilicity/hydrophobicity balance Heat resistance
GM82R2E	Ethoxylated(2) Bisphenol-A Dimethacrylate BPA(2)EODMA	<p style="text-align: center;">m+n=2</p>	424	100	1.550	100 ~ 300	0.5	-	-	-	Adhesion Low shrinkage Chemical resistance and heat resistance Hydrophobicity and scratch resistance
GM82R4E	Ethoxylated(4) Bisphenol-A Dimethacrylate BPA(4)EODMA	<p style="text-align: center;">m+n=4</p>	532	100	1.532	150 ~ 250	0.5	1.110 ~ 1.130	39.4	500 ~ 800	Adhesion Low shrinkage Hydrophobicity/hydrophilicity balance
GM82PE0	Propoxylated(12)Ethoxylated(6) Dimethacrylate (12)PO(6)EODMA	<p style="text-align: center;">m~6 n~12</p>	1,296	150	1.485	80 ~ 120	0.1	1.020 ~ 1.040	34.6	70 ~ 120	Low volatility Reactivity Hydrophobicity/hydrophilicity balance Dry film photoresist
GM82V20	Polyethylene Glycol(200) Dimethacrylate PEG(200)DMA	<p style="text-align: center;">m~4</p>	336	60	1.464	100 ~ 300	0.5	1.070 ~ 1.090	34.6	10 ~ 18	Adhesion Low volatility Flexibility
GM82V40	Polyethylene Glycol(400) Dimethacrylate PEG(400)DMA	<p style="text-align: center;">m~9</p>	536	60	1.464	400 ~ 600	0.5	1.090 ~ 1.110	34.6	35 ~ 50	Adhesion Low shrinkage Flexibility Hydrophilicity

Product Name	Chemical Name	Structure Formula	Molecular Weight	APHA max.	Refractive Index	Inhibitor MEHQ,ppm	Acid Value mgKOH/g max.	Specific Gravity 25°C	Dyne/cm	Viscosity 25°C,cps	Features
GM63C00	Trimethylolpropane Triacrylate TMPTA		296	60	1.474	100 ~ 300	0.1	1.090 ~ 1.120	35.0	70 ~ 120	General purpose Reactivity Hardness Chemical resistance
GM63C3E	Ethoxylated(3) Trimethylolpropane Triacrylate TMP(3)EOTA		428	50	1.471	300 ~ 600	0.5	1.060 ~ 1.120	36.9	40 ~ 80	Reactivity Hardness Chemical resistance
GM63C6E	Ethoxylated(6) Trimethylolpropane Triacrylate TMP(6)EOTA		560	100	1.469	100 ~ 1,100	0.5	1.100 ~ 1.150	38.1	70 ~ 100	Reactivity / Flexibility balance Gloss
GM63C9E	Ethoxylated(9) Trimethylolpropane Triacrylate TMP(9)EOTA		692	100	1.469	100 ~ 380	0.5	1.090 ~ 1.130	39.1	80 ~ 130	Low shrinkage Low irritation Flexibility Hydrophilicity
GM63CFE	Ethoxylated(15)Trimethylolpropane Triacrylate TMP(15)EOTA		956	150	1.469	300 ~ 600	1.0	1.100 ~ 1.120	41.1	140 ~ 300	Low shrinkage Low irritation Flexibility Hydrophilicity
GM63CTE	Ethoxylated(20)Trimethylolpropane Triacrylate TMP(20)EOTA		1,176	60	1.470	300 ~ 700	0.5	1.100 ~ 1.150	43.0	200 ~ 300	Low shrinkage Low irritation Flexibility Hydrophilicity
GM63F00	Pentaerythritol Triacrylate PETIA		296	80	1.484	300 ~ 1,100	2.0	1.150 ~ 1.210	38.0	550 ~ 750	Reactivity Hardness Chemical resistance Dual cure system
GM63F0A	Pentaerythritol Triacrylate PETIA		296	60	1.484	300 ~ 1,100	0.5	1.150 ~ 1.210	38.0	550 ~ 750	Reactivity Hardness Chemical resistance Dual cure system No crystallization at low temperature Low acid value
GM63F0H	Pentaerythritol Triacrylate PETIA		296	60	1.484	300 ~ 1,100	5.0	1.150 ~ 1.210	38.0	650 ~ 1,200	Reactivity Hardness Chemical resistance Dual cure system High acid value Resin synthesis
GM63T00	Tri(2-Hydroxy Ethyl) Isocyanurate THEICTA		423	100	1.465	300 ~ 1,200	1.0	N / A	N/A	N / A	Adhesion on plastic substrates High Tg Scratch resistance
GM63X00	Propoxylated (3)Glyceryl Triacrylate GPTA		428	100	1.461	200 ~ 500	0.5	1.080 ~ 1.110	34.2	70 ~ 100	Low viscosity Reactivity Offset printing inks

Product Name	Chemical Name	Structure Formula	Molecular Weight	APHA max.	Refractive Index	Inhibitor MEHQ,ppm	Acid Value mgKOH/g max.	Specific Gravity 25°C	Dyne/cm	Viscosity 25°C,cps	Features
GM64F5E	Ethoxylated(5) Pentaerythritol Tetraacrylate PPTTA		550	60	1.475	200 ~ 600	1.0	1.120 ~ 1.160	38.6	110 ~ 200	Scratch resistance Flexibility Chemical resistance Low viscosity Reactivity
GM64U00	Ditrimethylolpropane Tetraacrylate Di-TMPTA		482	3 (G)	1.478	100 ~ 1,600	5.0	1.050 ~ 1.150	35.1	800 ~ 1,500	Adhesion, Reactivity Chemical resistance Scratch resistance
GM66G00	Dipentaerythritol Hexaacrylate DPHA		578	100	1.496	300 ~ 900	0.1	1.110 ~ 1.200	42.0	4,000 ~ 7,000	High reactivity High hardness Scratch resistance
GM66G0A	Dipentaerythritol Hexaacrylate DPHA		N/A	100	1.496	300 ~ 900	0.5	1.100 ~ 1.200	41.0	4,000 ~ 7,000	High hydroxy value No crystallization at low temperature Synthesis application
GM66G0C	Dipentaerythritol Hexaacrylate DPHA		578	100	1.496	300 ~ 900	0.5	1.110 ~ 1.200	42.0	4,000 ~ 7,000	Reactivity Hardness No crystallization at low temperature
GM66G0H	Dipentaerythritol Hexaacrylate DPHA		578	100	1.496	300 ~ 900	0.1	1.110 ~ 1.200	42.0	7,000 ~ 10,000	High reactivity High hardness Scratch resistance Higher viscosity
GM66G0L	Dipentaerythritol Hexaacrylate DPHA		578	100	1.496	300 ~ 900	0.1	1.110 ~ 1.200	41.0	7,000 ~ 10,000	High reactivity High hardness Scratch resistance Higher viscosity
GM66G0P	Dipentaerythritol Hexaacrylate DPHA		N/A	100	1.496	300 ~ 900	0.1	1.100 ~ 1.200	44.0	4,000 ~ 7,000	High hydroxy value No crystallization at low temperature Synthesis application Low ion concentration
GM66G0M	Dipentaerythritol Hexaacrylate DPHA		578	100	1.496	300 ~ 900	0.1	1.110 ~ 1.200	42.0	4,000 ~ 7,000	High reactivity High hardness Scratch resistance No crystallization at low temperature
GM66G0X	Dipentaerythritol Pentaacrylate DPPA		578	100	1.469	300 ~ 900	0.1	1.110 ~ 1.200	42.0	10,000 ~ 15,000	High reactivity High hardness Scratch resistance High viscosity Highly esterified
GM83C00	Trimethylolpropane Trimethacrylate TMPTMA		338	70	1.470	100 ~ 300	0.1	1.050 ~ 1.080	32.2	35 ~ 50	Low irritation Reactivity Hardness Chemical resistance
GM83C0Q	Trimethylolpropane Trimethacrylate TMPTMA		338	100	1.470	80 ~ 150 (HQ)	0.1	1.050 ~ 1.080	32.2	35 ~ 50	Low irritation Reactivity Hardness Chemical resistance

Product Name	Chemical Name	Structure Formula	Molecular Weight	APHA max.	Refractive Index	Inhibitor MEHQ,ppm	Acid Value mgKOH/g max.	Specific Gravity 25°C	Dyne/cm	Viscosity 25°C,cps	Features
GM62A0F	Tripropylene Glycol Diacrylate TPGDA-TF		300	100	1.448	200 ~ 1,000	0.1	1.030 ~ 1.050	32.0	10 ~ 18	Low cost General purpose Diluting power Reactivity
GM62B0F	1,6-Hexanediol Diacrylate HDDA-TF		226	60	1.457	100 ~ 300	0.1	1.010 ~ 1.030	34.4	5 ~ 10	Adhesion on plastic substrates Low viscosity Reactivity Chemical resistance Hydrophobicity and heat resistance Weatherability
GM62E2F	Propoxylated(2) Neopentyl Glycol Diacrylate NPG(2)PODA-TF		328	80	1.446	100 ~ 400	0.5	0.900 ~ 1.100	30.1	10 ~ 20	Adhesion Low viscosity Levability Low shrinkage Diluting power Wettability
GM62D0F	Dipropylene Glycol Diacrylate DPGDA-TF		242	40	1.449	400 ~ 800	0.5	1.040 ~ 1.100	32.4	7 ~ 13	Adhesion Low viscosity Reactivity Chemical resistance Hydrophobicity and heat resistance
GM63C0F	Trimethylolpropane Triacrylate TMPTA-TF		296	60	1.474	100 ~ 300	0.1	1.090 ~ 1.120	35.0	70 ~ 120	General purpose Reactivity Hardness Chemical resistance
GM63C3F	Ethoxylated(3) Trimethylolpropane Triacrylate TMP(3)EOTA-TF		428	80	1.471	300 ~ 600	0.2	1.060 ~ 1.120	36.9	40 ~ 80	Reactivity Hardness Chemical resistance
GM63C3P	Propoxylated(3) Trimethylolpropane Triacrylate TMP(3)POTA		470	100	1.459	400 ~ 600	0.5	1.040 ~ 1.070	32.8	70 ~ 100	Reactivity Hardness Chemical resistance Hydrophobicity
GM63X0F	Propoxylated (3)Glyceryl Triacrylate GPTA-TF		428	100	1.461	200 ~ 500	0.5	1.080 ~ 1.110	34.2	70 ~ 100	Low viscosity Reactivity Offset printing inks
GM64U0A	Ditrimethylolpropane Tetraacrylate Di-TMPTA		N/A	60	1.477	200 ~ 600	1.0	1.095 ~ 1.105	35.1	400 ~ 800	High reactivity High hardness Abrasion resistance Chemical resistance
GM64U0F	Ditrimethylolpropane Tetraacrylate Di-TMPTA-TF		482	3	1.476	100 ~ 1,000	5.0	1.050 ~ 1.150	35.1	800 ~ 1,200	High reactivity High hardness Abrasion resistance Chemical resistance



## Epoxy Acrylates

Product Name	Chemical Name	Functionality	Color Gardner max.	Tg, °C	Acid Value mgKOH/g max.	Viscosity 25°C, cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GU1160C	Phenol Novolac Epoxy Acrylate Diluted In 40% TMPTA	3	5	67	5	8,000 ~ 12,000	5	1	5	4	Heat resistance Hardness
GU1200W	Modified Bisphenol A Epoxy Diacrylate	2	3	51	5	10,000 ~ 30,000 (60°C)	2	4	4	4	Adhesion on metal and plastic substrates Low shrinkage
GU1280A	Modified Bisphenol A Epoxy Diacrylate Diluted In 20% TPGDA	2	2	51	5	30,000 ~ 50,000	2	4	4	4	Adhesion
GU1380A	Bisphenol A Epoxy Diacrylate Diluted In 20% TPGDA	2	1	60	1	22,000 ~ 42,000	3	2	5	3	General purpose Gloss
GU1400Z	Bisphenol A Epoxy Diacrylate	2	1	60	1	4,000 ~ 7,000 (60°C)	3	2	5	3	General purpose Gloss
GU1475A	Bisphenol A Epoxy Diacrylate Diluted In 25% TPGDA	2	1	N/A	2	10,000 ~ 12,000	4	3	5	4	Gloss
GU1480A	Bisphenol A Epoxy Diacrylate Diluted In 20% TPGDA	2	1	N/A	1	18,000 ~ 28,000	4	3	5	4	Gloss
GU1600Y	Fatty Acid Modified Bisphenol A Epoxy Diacrylate	2	3	56	3	160,000 ~ 260,000	4	3	3	3	Hydrophobicity / hydrophilicity balance Pigment Dispersion, Litho inks and varnishes
GU1650X	Fatty Acid Modified Bisphenol A Epoxy Diacrylate Diluted In 50% GPTA	2	3	56	2	1,000 ~ 4,000	4	3	3	3	Hydrophobicity / hydrophilicity balance Pigment Dispersion, Litho inks and varnishes
GU1700W	Aliphatic Epoxy Diacrylate	1	2	N/A	2	80 ~ 180	1	3	4	1	Adhesion on metal substrates
GU1700P	Aliphatic Epoxy Diacrylate	3	3	N/A	3	15,000 ~ 25,000	1	5	4	4	Adhesion on metal substrates
GU1700T	Aromatic Epoxy Acrylate	1	1	13	2	150 ~ 250	2	4	5	2	Weatherability Low shrinkage
GU1700Y	Aliphatic Epoxy Diacrylate	2	8	26	4	700 ~ 1,300	3	3	4	3	Adhesion on metal substrates Yellowing resistance
GU1700Z	Modified Bisphenol A Epoxy Diacrylate	2	1	26	1	25,000 ~ 35,000	3	3	4	3	Gloss Low viscosity
GU1800W	Epoxidized Soybean Oil Triacrylate	3	-	13	5	23,000 ~ 35,000	2	4	4	4	Pigment dispersion
GU1900W	Modified Bisphenol A Epoxy Diacrylate	2	2	52	3	5,000 ~ 9,000 (60°C)	4	5	4	5	Adhesion promotion
GU1900Z	Amine Modified Bisphenol A Epoxy Diacrylate	2	6	57	5	450,000 ~ 550,000	5	5	4	5	Adhesion on plastic substrates

## Full Acrylates

Product Name	Chemical Name	Functionality	Color Gardner max.	Tg, °C	Acid Value mgKOH/g max.	Viscosity 25°C, cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GU2300B	Full Acrylate Resin	2	1	5	5	20,000 ~ 50,000	1	5	3	3	Superior adhesion on plastic
GU2500K	Full Acrylate Resin	2	3	30	1	15,000 ~ 25,000	2	4	4	1	Adhesion on metal and plastic substrates
GU2501Q	Full Acrylate Resin	1	3	35	1	30,000 ~ 40,000	2	4	4	1	Adhesion on metal and plastic substrates
GU2600K	Full Acrylate Resin	2	3	15	1	14,000 ~ 21,000	1	5	3	3	Excellent adhesion on plastic
GU2600Q	Full Acrylate Resin	1	3	15	1	7,000 ~ 9,000 (60°C)	1	5	3	3	Excellent adhesion on plastic

Product Name	Chemical Name	Functionality	Color Gardner, max.	Tg, °C	Viscosity 25°C, cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GU3001Z	Aliphatic Urethane Diacrylate	2	2	-40	35,000 ~ 65,000 (60°C)	1	5	3	4	Adhesion Vacuum plating primer
GU3010Z	Aliphatic Urethane Diacrylate	2	2	-37	10,000 ~ 30,000	1	5	3	3	High elongation rate
GU3185B	Aliphatic Urethane Diacrylate Diluted In 15% HDDA	2	2	33	30,000 ~ 50,000	2	4	3	3	Weatherability Wood and plastic general purpose coating
GU3200W	Aliphatic Urethane Diacrylate	2	2	20	7,500 ~ 14,000	2	3	3	3	Low viscosity Inject ink application
GU3285A	Aliphatic Urethane Diacrylate Diluted In 15% TPGDA	2	2	4	100,000 ~ 170,000	2	3	3	3	Weatherability PVC leather coating
GU3290M	Aliphatic Urethane Dimethacrylate Diluted In 10% HEMA	2	2	-25	80,000 ~ 110,000	2	3	4	4	Nail polish
GU3300W	Aliphatic Urethane Diacrylate	2	2	-27	55,000 ~ 75,000	2	5	3	3	Sealers and fillers application
GU3315Z	Aliphatic Urethane Diacrylate	2	2	N/A	15,000 ~ 25,000 (60°C)	2	4	3	3	Adhesion
GU3323W	Aliphatic Urethane Diacrylate	2	2	-52	30,000 ~ 60,000	1	3	2	1	Adhesive, Flexibility Optical fiber application
GU3370A	Aliphatic Urethane Diacrylate Diluted In 30% TPGDA	2	2	7	70,000 ~ 115,000	2	5	4	4	Adhesion on PVC substrates General purpose coating
GU3400Y	Aliphatic Urethane Diacrylate	2	2	22	5,200 ~ 7,200 (60°C)	2	5	4	4	High tensile strength Plastic coating
GU3400Z	Aliphatic Urethane Diacrylate	2	1	60	36,000 ~ 56,000 (60°C)	2	5	4	4	Adhesion on PC substrate Weatherability
GU3501Q	Aliphatic Urethane Diacrylate Diluted In 25% IBOA	2	2	19.7	90,000 ~ 150,000	2	4	3	3	Stretchability Flexible coating and adhesive application
GU4075B	Aliphatic Urethane Triacrylate Diluted In 25% HDDA	3	2	45	6,000 ~ 8,000 (60°C)	3	2	4	4	Thermal stability, Weatherability Plastic coating, Offset ink
GU4100Y	Aliphatic Urethane Triacrylate	3	100 (APHA)	N/A	15,000 ~ 30,000	4	3	4	3	Weatherability Low viscosity
GU4175X	Aliphatic Urethane Triacrylate Diluted In 25% G3POTA	3	2	32	75,000 ~ 145,000	4	3	5	5	Pigment dispersion, Transfer printability Litho and flexo inks
GU4180B	Aliphatic Urethane Triacrylate Diluted In 20% HDDA	3	2	N/A	30,000 ~ 60,000	3	3	4	4	Adhesion on PVC substrates Toughness
GU4280B	Aliphatic Urethane Tetraacrylate	4	150 (APHA)	N/A	20,000 ~ 45,000	5	2	4	3	Weatherability, Hardness Outdoor paint
GU4500N	Aliphatic Urethane Triacrylate	3	150 (APHA)	N/A	700 ~ 1,100 (23°C)	4	3	3	3	Leveling ability, Low viscosity Adhesive thinner and inject ink application
GU6200Y	Aliphatic Urethane Hexaacrylate	6	2	83	65,000 ~ 90,000	5	1	4	5	Hardness Fast curing
GU6200Z	Aliphatic Urethane Hexaacrylate	6	2	83	90,000 ~ 120,000	5	1	4	5	Hardness Fast curing
GU6300N	Aliphatic Urethane Hexaacrylate	6	2	47	4,000 ~ 7,000	5	2	5	4	Low viscosity UV ink application
GU7200Z	Aliphatic Urethane Nonaacrylate	9	2	102	10,000 ~ 22,500 (60°C)	5	1	3	5	Hardness Scratch resistance
GU7400Z	Aliphatic Urethane Decaacrylate	10	2	54	75,000 ~ 95,000	5	1	3	5	High hardness
GU7500Z	Aliphatic Urethane Multi-acrylate	15	2	145	200,000 ~ 300,000	5	1	3	5	High hardness

## Aliphatic Urethane Acrylates

Product Name	Chemical Name	Functionality	Color Gardner, max.	Tg, °C	Viscosity 25°C, cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GS4920C	Special solvent based Aliphatic Urethane Acrylate	N/A	1	N/A	1,700 ~ 2,500 (23°C)	5	3	5	5	Adhesion on plastic substrates, Gloss Hardness, Yellowing resistance
GS5120C	Special solvent based Aliphatic Urethane Acrylate	N/A	1	N/A	1,000 ~ 2,000	5	3	5	5	Adhesion on aluminum substrates, Gloss Hardness, Yellowing resistance

## Aromatic Urethane Acrylates

Product Name	Chemical Name	Functionality	Color Gardner, max.	Tg, °C	Viscosity 25°C, cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GU3680A	Aromatic Urethane Diacrylate Diluted In 20% TPGDA	2	2	30	40,000 ~ 60,000	3	4	3	3	General purpose
GU3700Y	Aromatic Urethane Diacrylate	2	2	55	100,000 ~ 140,000 (20°C)	4	2	4	3	Hydrophobicity / hydrophilicity balance Litho ink, Pigment dispersion
GU3701W	Aromatic Urethane Diacrylate	2	2	-24	150,000 ~ 210,000	2	5	2	3	General purpose Low cost wood coating
GU3775A	Aromatic Urethane Diacrylate Diluted In 25%TPGDA	2	2	10	6,000 ~ 9,000	2	5	2	3	General purpose Low cost wood coating
GU3980A	Aromatic Urethane Diacrylate Diluted In 20% TPGDA	2	2	24	10,000 ~ 30,000	2	5	3	3	High elongation rate Hydrolysis resistance
GU6600Y	Aromatic Urethane Hexaacrylate	6	2	49	24,500 ~ 32,500	5	1	5	4	Hardness Litho ink
GU7900Z	Aromatic Urethane Decaacrylate	10	2	45	100,000 ~ 200,000	5	1	5	5	Scratch resistance High hardness

## Waterborne Acrylates

Product Name	Chemical Name	Functionality	Color Gardner, max.	Tg, °C	Viscosity 25°C, cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GU3100W	Waterborne Aliphatic Urethane Hexaacrylate	6	2	N/A	20,000 ~ 40,000	2	4	3	3	PUD formulation, UV ink application, Water solubility
GU3100Y	Waterborne Aliphatic Urethane Diacrylate	2	2	48	4,000 ~ 8,000 (60°C)	2	4	3	3	Water solubility, Waterborne screen inks and primer coats on wood flooring
GU3100Z	Waterborne Aliphatic Urethane Diacrylate	2	2	N/A	20,000 ~ 50,000	2	4	3	3	Hardness, Primer on wood substrates, Water solubility
GU3105Z	Waterborne Aliphatic Urethane Diacrylate	2	2	N/A	20,000 ~ 40,000	5	4	2	3	Softness adjustment, Weatherability
GU3160Z	Waterborne Aliphatic Urethane Hexaacrylate	6	2	N/A	5,000 ~ 10,000 (60°C)	5	1	5	3	Primer on wood substrate, Sandability
GU3174Z	Waterborne Aliphatic Urethane Multi-acrylate	10	2	N/A	40,000 ~ 80,000 (60°C)	5	1	5	4	Fast curing, High hardness Plastic varnish
GU1106W	Waterborne Phenol Novolac Epoxy acrylate	3	2	N/A	4,000 ~ 16,000	3	3	4	4	Chemical resistance, Good gloss Wood top coating

## Amine Modified Polyether Acrylates

Product Name	Chemical Name	Functionality	Color Gardner, max.	Tg, °C	Amine value mg KOH/g, max.	Viscosity 25°C, cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GU8100W	Amine Modified Polyether Acrylate	4	2	50	55 ~ 56	2,500 ~ 3,500	4	4	3	3	Flexo ink Sealers and varnish
GU8100Y	Amine Modified Polyether Acrylate	2.5	2	20	48 ~ 56	80 ~ 100	4	4	3	3	Low viscosity Varnishes and pigmented formulation
GU8100Z	Amine Modified Polyether Acrylate	3.5	2	6	33 ~ 45	450 ~ 650	4	3	4	3	Pigment dispersion Low viscosity

## Polyester Acrylates

Product Name	Chemical Name	Functionality	Color Gardner, max.	Tg, °C	Acid Value mgKOH/g, max.	Viscosity 25°C, cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GU8366Q	Polyester Diacrylate	2	5	N/A	20	5,000 ~ 11,000	1	5	3	4	Adhesion on metal and plastic substrates Halogen free, Salt spray resistance
GU8436C	Chlorinated Polyester Triacrylate	3	2	53	20	100,000 ~ 150,000	1	2	2	3	Adhesion on metal substrates Litho ink
GU8436X	Chlorinated Polyester Triacrylate	3	3	53	20	70,000 ~ 150,000	1	2	2	3	Adhesion on metal substrates Litho ink
GU8540C	Chlorinated Polyester Triacrylate	3	5	15	12	70,000 ~ 150,000	2	4	1	3	Adhesion on metal substrates Litho ink
GU8703D	Unsaturated Polyester Diacrylate	2	4	N/A	30	10,000 ~ 15,000	2	2	3	3	Adhesion, Hardness Sandability, Wood coating primer
GU9294V	Polyester Hexaacrylate	6	5	N/A	20	7,000 ~ 12,000	5	4	4	2	Flexo ink, Litho ink, Pigment dispersion
GU9315Z	Hyperbranched Polyester Acrylate	12 ~ 15	2	N/A	2	300 ~ 700	4	3	3	3	Inject ink, Leveling Low shrinkage
GU9402Y	Polyester Tetraacrylate	4	10	23	15	100,000 ~ 220,000	4	3	4	1	Hydrophilicity / hydrophobicity balance Litho ink, Pigment dispersion
GU9546C	Polyester Triacrylate	3	N/A	N/A	15	300,000 ~ 400,000	1	5	5	4	Adhesion on metal and plastic substrates, Halogen free, Pigment dispersion
GU9600Y	Polyester Tetraacrylate	4	2	31	20	400 ~ 1,000	3	4	3	2	Flexo ink, Pigment dispersion
GU9700D	Polyester Tetraacrylate	4	4	N/A	10	20,000 ~ 40,000	4	4	3	1	Matt wood coating
GU9701Y	Polyester Tetraacrylate	4	3	N/A	15	1,500 ~ 5,000	4	5	3	2	Low viscosity formulation Pigment dispersion
GU9700Z	Polyester Tetraacrylate	4	4	N/A	5	15,000 ~ 20,000	4	5	3	2	Wood coating
GU9842F	Polyester Triacrylate	3	N/A	N/A	5	10,000 ~ 30,000	5	4	4	5	Adhesion Inorganic filler dispersion
GU9902C	Fatty Acid Modified Polyester tetraacrylate	4	5	N/A	20	400 ~ 1,000	5	3	3	3	Flexo ink, Gravure ink, Inject ink Pigment dispersion
GU9900W	Fatty Acid Modified Polyester hexaacrylate	6	10	N/A	20	15,000 ~ 50,000	5	4	4	2	Hydrophilicity / hydrophobicity balance Pigment dispersion
GU9901Y	Fatty Acid Modified Polyester hexaacrylate	6	10	17	15	7,000 ~ 12,000	5	4	4	1	Flexo ink, Litho ink, Pigment dispersion
GU9900Z	Polyester hexaacrylate	6	2	60	35	15,000 ~ 40,000	4	4	5	5	Wood coating



Product Name	Chemical Name	Functionality	Amine value mg KOH/g	Color Gardner, max.	Viscosity 25°C,cps	Addition Level %	Features
GC1000W	Reactive Amine Synergists	1	232 ~ 250	2	10 ~ 30	9 ~ 12	Low cost Fast curing Yellowing resistance Gloss
GC1000Y	Reactive Amine Synergists	1	198 ~ 210	2	10 ~ 30	9 ~ 12	Low cost Fast curing Yellowing resistance Gloss
GC1000Z	Reactive Amine Synergists	1	222 ~ 238	2	20 ~ 40	9 ~ 12	Low cost Fast curing Yellowing resistance Gloss
GC1100W	Reactive Amine Synergists	2	102 ~ 122	2	60 ~ 110	20 ~ 25	Low cost Fast curing Yellowing resistance Gloss
GC1100Y	Reactive Amine Synergists	1	180 ~ 200	2	60 ~ 110	10 ~ 12	Fast curing Gloss
GC1100Z	Reactive Amine Synergists	2	125 ~ 145	2	800 ~ 1,500	10 ~ 15	Oligomer amine synergist Adhesion Fast curing
GC1200C	Reactive Amine Synergists	3	N/A	2	3,000 ~ 4,500	15 ~ 20	Fast curing Yellowing resistance Gloss Low odour

## Additives for UV Curable Coating

Product Name	Chemical Name	Functionality	Color Gardner, max.	Acid Value mgKOH/g, max.	Viscosity 25°C,cps	Reactivity	Flexibility	Chemical Resistance	Abrasion Resistance	Features
GA2600Y	Methacrylate Modified Acidic Adhesion Promoter	2	3	280 ~ 320	1,000 ~ 1,500	1	5	3	3	Adhesion on metal and glass substrates Low color gardner Low viscosity
GA2800Z	Silicone Acrylate	2	2	2 (max)	20,000 ~ 60,000	N/A	N/A	N/A	N/A	Substrate wetting Surface slip

## Photo-initiators

Product Name	Chemical Name	CAS No.	Molecular Weight	Assay %, min.	Melting Point °C	Volatiles %, max.	Viscosity 25°C,cps	Appearance
GI2173	2-Hydroxy-2-methylpropiophenone	7473-98-5	164.2	98.0	N/A	N/A	21 ~ 25	Colorless to slightly yellow liquid
GI2184Z	1-Hydroxycyclohexyl Phenyl Ketone	947-19-3	204.3	99.0	46 ~ 50	0.5	Solid	White to off-white crystalline powder or flake
GI21BDK	Benzil Dimethyl Ketal	24650-42-8	256.3	99.0	64 ~ 67	0.1	Solid	White crystalline powder
GI210BP	Benzophenone	119-61-9	182.2	99.5	47 ~ 49	0.1	Solid	White to off-white crystalline powder or flake
GI21TPO	Dophenyl-(2,4,6-Trimethylbenzoyl)-Phosphine Oxide	75980-60-8	384.0	97.0	87 ~ 93	0.2	Solid	Pale yellow powder
GI22ITX	Isopropyl Thioanthone(Mixture of 2-and 4-isomer)	5495-84-1	254.3	98.0	57 ~ 72	0.2	Solid	Light yellow powder
GI2907Z	2-Methyl-1-[4-(methylthio)phenyl]-2-Morpholino-propane-1-one	71868-10-5	279.4	98.0	72 ~ 76	0.5	Solid	White crystalline powder
GI21369	2-Benzyl-2-(dimethylamino)-4'-Morpholinobutyrophenone	119313-12-1	366.5	99.0	110 ~ 114	0.2	Solid	Yellow crystalline powder
GI21PBZ	4-Phenyl benzophenone	2128-93-0	258.3	99.0	99 ~ 103	0.2	Solid	White to off-white crystalline powder
GI2819Z	Bis(2,4,6-trimethylbenzoyl) phenylphosphine oxide	162881-26-7	418.5	99.0	127 ~ 133	0.2	Solid	Yellow crystalline powder
GI21OMB	Methyl-o-benzoylbenzoate	606-28-0	240.3	99.0	48 ~ 54	0.2	Solid	White crystalline powder

Required characteristic

Papers	Woods	Plastics	Metals	Inks
Low Color	Low Color	Low Color	Low Color	Pigment Wetting
Low Odor	Low Odor	Adhesion	Adhesion	Water Balance
Cure Speed	Cure Speed	Abrasion Resistance	Flexibility	Rheology Control
Adhesion	Adhesion	Flexibility	Abrasion Resistance	Adhesion
Gloss	Abrasion Resistance	Durability	Durability	—
—	Controllable Gloss	Controllable Gloss	—	—
—	Hardness	—	—	—

Qualicure™ Monomers

Papers	Woods	Plastics	Metals	Inks
GM61W00	GM61W00	GM61K00	GM61K00	GM61N00
GM62A00	GM61Z00	GM61P00	GM61P00	GM61J00
GM62B00	GM62A00	GM61Q00	GM61Q00	GM61P00
GM62D00	GM62D00	GM61W00	GM61W00	GM61Q00
GM63C00	GM63C00	GM61Z00	GM62A00	GM61W00
GM63C3E	GM63C3E	GM62A00	GM62B00	GM61Z00
—	GM64U00	GM62B00	GM62D00	GM62A00
—	—	GM62D00	GM62E2P	GM62B00
—	—	GM62E2P	GM63C00	GM62E2P
—	—	GM63C00	GM63C3E	GM63C00
—	—	GM63C3E	GM64F5E	GM63X00
—	—	GM63F00	—	GM64F5E
—	—	GM63T00	—	GM64U00
—	—	GM64F5E	—	GM66G00

Qualicure™ Oligomers

Papers	Woods	Plastics	Metals	Inks
GU1480A	GU1480A	GU1280A	GU1280A	GU1600Y
GU1800W	GU1600Y	GU1700T	GU1700T	GU1800W
GU6600Y	GU1800W	GU1900W	GU1700Y	GU1900Z
GU8100W	GU3100Y	GU2300B	GU2500K	GU3200W
GU8100Y	GU3680A	GU2600K	GU2501Q	GU3315Z
GC1000Y	GU3701W	GU3001Z	GU3001Z	GU3700Y
GC1100Y	GU4500Z	GU3010Z	GU3400Z	GU4175X
GC1200C	GU4780A	GU3185B	GU3700Y	GU4660A
—	GU4900N	GU3300W	GU6200Z	GU6600Y
—	GU6600Y	GU6200Z	GU7200Z	GU8100Z
—	GU8100W	GU7200Z	GU8366Q	GU8436C
—	GU8100Y	GU7400Z	GU8436C	GU8436X
—	GU8730D	GU7500Z	GU8540C	GU9294V
—	GC1000Y	GS4920C	GU9546C	GU9315Z
—	GU9600Y	GA2800Z	GU9600Y	GU9402Y
—	GU9700Z	—	GS5120C	GU9546C
—	GU9842F	—	GA2600Y	GU9600Y
—	GA2800Z	—	GA2800Z	GU9600Y
—	—	—	—	GU9701Y
—	—	—	—	GU9902C
—	—	—	—	GU9900W
—	—	—	—	GU9901Y
—	—	—	—	GC1100Y
—	—	—	—	GC1200C