



### II ULTRA VIOLET CURABLE RESIN

**Monomers** 





Product Code	Product Name	Appearance	Functionality	Colour Gardner Max.	Acid Value Max.	Viscosity in Cps @ 25°C	Refractive Index	Tg°C	Molecular Weight	Density g/cm³	Properties
А	Monofunctional										
UVP 0101 99	2 - Phenoxy Ethylacrylate (2-PHEA)	Clear liquid	1	1	1	10	1.5160	5	212	1.100	Low viscosity, good solvency.
UVP 0102 99	Octyl Decyl Acrylate (ODA)	Clear liquid	1	1	1	5	1.4371		203	0.890	Low viscosity, good solvency.
UVP 0103 99	2- Hydroxy Phenoxy Propylacrylate (HPPA)	Clear liquid	1	2	2	150 - 200			223	1.010	Low viscosity, good solvency.
UVP 0104 99	Iso Bornyl Acrylate (IBOA)	Clear liquid	1	1	1	9	1.4738		208	0.987	Low viscosity, good solvency.
Product Code	Product Name	Appearance	Functionality	Colour Gardner Max.	Acid Value Max.	Viscosity in Cps @ 25°C	Refractive Index	Tg°C	Molecular Weight	Density g/cm³	Properties
В	Dif										
	Difunctional										
UVP 0201 99	Tripropylene Glycol Diacrylate (TPGDA)	Clear liquid	2	1	1	15	1.4485	62	300	1.030	Good cure speed and flexibility, low draize rating.
		Clear liquid Clear liquid	2	1	1	15 9	1.4485	62	300	1.030	
UVP 0201 99	Tripropylene Glycol Diacrylate (TPGDA)				1 1						Low viscosity, low volatility and fast cure
UVP 0201 99 UVP 0202 99	Tripropylene Glycol Diacrylate (TPGDA)  1,6 Hexanediol Diacrylate (HDDA)	Clear liquid	2	1	1 1 1	9	1.4560	43	226	1.020	Low viscosity, low volatility and fast cure response.  High reactivity, good solvancy and scratch
UVP 0201 99  UVP 0202 99  UVP 0203 99	Tripropylene Glycol Diacrylate (TPGDA)  1,6 Hexanediol Diacrylate (HDDA)  Diethylene Glycol Diacrylate (DEGDA)	Clear liquid Clear liquid	2	1	1 1 1	9	1.4560 1.4590	43 100	226	1.020	Low viscosity, low volatility and fast cure response.  High reactivity, good solvancy and scratch resistence.  Low volatility and medium viscosity, good
UVP 0201 99  UVP 0202 99  UVP 0203 99  UVP 0204 99	Tripropylene Glycol Diacrylate (TPGDA)  1,6 Hexanediol Diacrylate (HDDA)  Diethylene Glycol Diacrylate (DEGDA)  Neopentyl Glycol Diacrylate (NPGDA)	Clear liquid Clear liquid Clear liquid	2 2	1 1	1 1 1 1 1 1	9 12 10	1.4560 1.4590 1.4503	43 100 107	226 214 212	1.020 1.111 1.030	Low viscosity, low volatility and fast cure response.  High reactivity, good solvancy and scratch resistence.  Low volatility and medium viscosity, good reactivity, low skin irritation.  Low viscosity, low volatility and fast cure

For more details request for Individual Data Sheets

## 1 Monomers

MDD	INDUSTRIES P LTD.
MPD	INDUSTRIES P LID.



Product Code	Product Name	Appearance	Functionality	Colour Gardner Max.	Acid Value Max.	Viscosity in Cps @ 25°C	Refractive Index	Tg °C	Molecular Weight	Density g/cm³	Properties
С	Trifunctional										
UVP 0301 99	Trimethylol Propane triacrylate (TMPTA)	Clear liquid	3	1	1	70 - 150	1.4723	62	296	1.1.08	Chemical and abrasion resistence high reactivity and cross link density.
UVP 0302 99	Ethoxylated Trimethylol Propane triacrylate (TMP3EOTA)	Clear liquid	3	1	1	60	1.4689	-40	428	1.103	Low skin irritation, fast cure response, solvency and good flexibility.
				Calana							
Product Code	Product Name	Appearance	Functionality	Colour Gardner Max.	Acid Value Max.	Viscosity in Cps @ 25°C	Refractive Index	Tg℃	Molecular Weight	Density g/cm³	Properties
Code	Product Name  Tetrafunctional	Appearance	Functionality	Gardner				Тд°С			Properties
Code		Appearance  Clear liquid	Functionality  4	Gardner				<b>Tg°C</b> 98			Properties  Fast cure response, high cross link density.
Code	Tetrafunctional  Ditrimethylol Propane triacrylate			Gardner		@ 25°C	Index		Weight	g/cm³	

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### II ULTRA VIOLET CURABLE RESIN

2 Oligomers





Product Code	Product Name	Appearance	Functionality	Colour Gardner Max.	Acid Value Max.	Viscosity in FCB4 @ 30°C	Reducer	Molecular Weight	Density g/cm³	Properties
А	Epoxy Acrylate									
UVP 0600 99	Epoxy Acrylate	Clear Viscous Liquid	2	2	2	#3000 - 3500		500	1.130	Fast cure, high gloss.
UVP 0610 99	Epoxy Acrylate Gel	Clear Viscous Liquid	2	1	2	60 -70	60% in TPGDA	500	1.150	Fast cure, high gloss.
UVP 0611 99	Fatty acid modified Epoxy Acrylate	Clear Viscous Liquid	2	1	2	40 - 50	60% in TPGDA	500	1.130	Fast cure, high gloss.
UVP 0612 99	Epoxidised Soya Acrylate	Clear Viscous Liquid	2	1	2	5000 - 6000*		1200	1.150	Fast cure, high gloss.
Product Code	Product Name	Appearance	Functionality	Colour Gardner Max.	Acid Value Max.	Viscosity in FCB4 @ 30°C	Reducer	Molecular Weight	Density g/cm³	Properties
Code	Product Name  Urethane Acrylate	Appearance	Functionality	Gardner		Viscosity in FCB4 @ 30°C	Reducer		Density g/cm³	Properties
Code		Appearance  Clear Viscous Liquid	Functionality 2	Gardner		Viscosity in FCB4 @ 30°C	Reducer  40% in TPGDA		Density g/cm³	Properties  Displays an attractive versatility of use.
Code B	Urethane Acrylate	Clear Viscous		Gardner Max.	Max.	FCB4 @ 30°C	40% in	Weight	g/cm³	
<b>Code B</b> UVP 0210 99	Urethane Acrylate  Aromatic Urethane Acrylate  Aromatic Hexafunctional Urethane	Clear Viscous Liquid	2	Gardner Max.	<b>Max.</b> 2	<b>FCB4 @ 30°C</b> 50 - 60	40% in TPGDA	Weight 1500	g/cm³	Displays an attractive versatility of use.

\* CPS @ 30°C # Cps @ 60°C For more details request for Individual Data Sheets

# 2 Oligomers



Product Code	Product Name	Appearance	Functionality	Colour Gardner Max.	Acid Value Max.	Viscosity in FCB4 @ 30°C	Reducer	Molecular Weight	Density g/cm³	Properties
C	Polyester Acrylate									
UVP 0810 99	Di Functional Polyester Acrylate	Clear Viscous Liquid	2	3	5	2500 - 3500*	As Such	1500	1.130	Fast cure response, good film hardness.
UVP 0815 99	Di Functional Polyester Acrylate	Clear Viscous Liquid	2	3	10	50 - 70	As Such	1500	1.100	Fast cure response, good film hardness.
UVP 0820 99	Tri Functional Polyester Acrylate	Clear Viscous Liquid	3	3	10	25- 35	As Such	1500	1.130	Fast cure response, good film hardness.
UVP 0825 99	Tetra Functional Polyester Acrylate	Clear Viscous Liquid	4	4	10	60 - 80	As Such	1500	1.100	Fast cure response, good film hardness.
UVP 0835 99	Hexa Functional Polyester Acrylate	Dark Viscous Liquid	6		10	50 -60	50% in TPGDA		1.050	Fast cure response, good film hardness.

\* CPS @ 30°C # Cps @ 60°C For more details request for Individual Data Sheets

# II ULTRA VIOLET CURABLE RESIN3 Monomer Oligomer Blends



Product Code	Product Name	Appearance	Functionality	Colour Gardner Max.	Viscosity in Cps @ 30°C	Density g/cm³	Properties
А	Epoxy acrylate monomer blends	5					
UVP 0601 99	Epoxy Acrylate : TPGDA (60:40)	Clear Viscous Liquid	2	1	1200 - 1400	1.180	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0602 99	Epoxy Acrylate : TPGDA (75:25)	Clear Viscous Liquid	2	1	6500 - 7000	1.140	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0603 99	Epoxy Acrylate : TPGDA (35:65)	Clear Viscous Liquid	2	1	140 - 150	1.060	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0604 99	Epoxy Acrylate : TMPTA (70:30)	Clear Viscous Liquid	2	1	9000 - 9500	1.155	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0605 99	Epoxy Acrylate : TMPTA (80:20)	Clear Viscous Liquid	2	1	11000 - 13000	1.162	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0606 99	Epoxy Acrylate : TMPTA (40:60)	Clear Viscous Liquid	2	1	900 - 1100	1.152	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0607 99	Epoxy Acrylate : DPGDA (30:70)	Clear Viscous Liquid	2	1	55 - 65	1.090	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0608 99	Epoxy Acrylate : TMPTA (30:70)	Clear Viscous Liquid	2	1	400 - 600	1.120	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0609 99	Epoxy Acrylate : HDDA (50:50)	Clear Viscous Liquid	2	1	150 - 200	1.085	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0613 99	Epoxy Acrylate : HDDA (30:70)	Clear Viscous Liquid	2	1	40 - 70	1.070	Light color, good UV/EB reactivity, good hardness and chemical resistence.
UVP 0614 99	Epoxy Acrylate : HDDA (20:80)	Clear Viscous Liquid	2	1	30 - 60	1.060	Light color, good UV/EB reactivity, good hardness and chemical resistence.

### For more details request for Individual Data Sheets

### II ULTRA VIOLET CURABLE RESIN

**Synergist** 



Product Code	Product Name	Appearance	pH Value	Colour Gardner Max.	Viscosity in Cps @ 30°C	Density g/cm³	Properties
Α	Synergist						
UVP 0115 99	Amine Co Initiator Synergist	Clear Liquid	8 - 9	2	80 -130	0.990	Highly efficient amine co initiator.
UVP 0116 99	Amine Co Initiator Acrylate	Clear Viscous Liquid		2	400 - 600	1.100	High photoreactivity, excellent adhesion on plastic substrate.

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