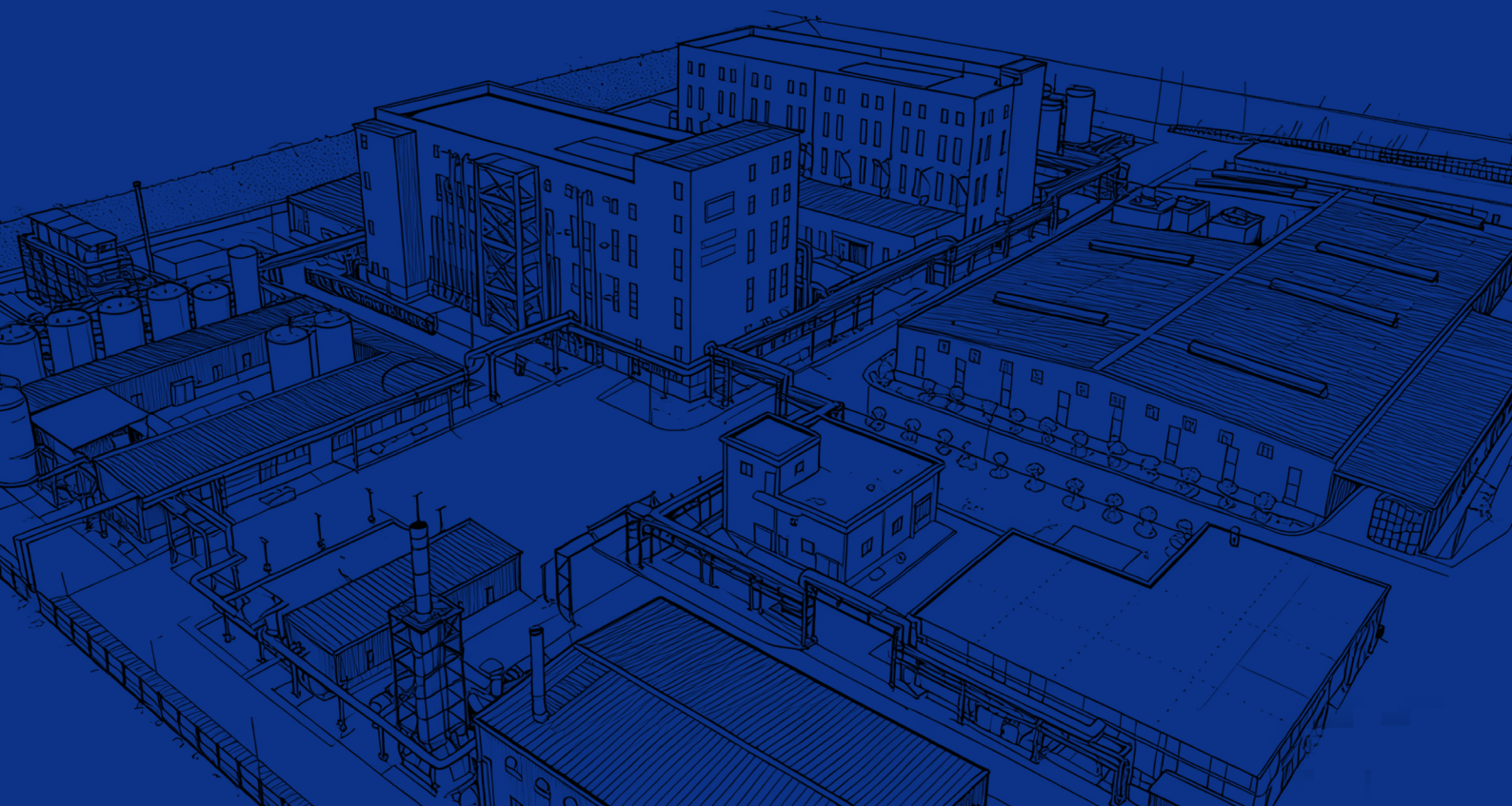
KIMCHEM
MATERIAL

SHANXI KIMCHEM SYNTHETIC MATERIAL CO., LTD.

Years in the Making, Now Redefining.

A comprehensive raw material supplier integrating R&D, production, sales and technical services.

PRODUCT CATALOG



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COMPANY PROFILE

Shanxi Kimchem Synthetic Material Co., Ltd. is a high-end advanced material enterprise driven by technological R&D and customer-oriented services, specializing in the R&D, production, sales and supporting technical services of synthetic polymers, electronic chemical materials, specialty chemicals and other products. The company's production base is located in Yuanping City, Shanxi Province, covering an area of 120,000m². All production equipment is selected from internationally renowned advanced brands, and 8 core production lines have been built to date, including 2 special production lines for toluene-free products, 2 for metal ion-free products and 2 for monofunctional small molecule materials, with an annual production capacity of 45,000 metric tons. Endowed with the mass production capacity for large-scale and multi-category products, the company has laid a solid foundation for the stable delivery of orders and rapid response to market demands.

Factory Site Area

120000 m²

Annual Production Capacity

45000 t

Professional Staffing

200 persons

ABOUT US

Core Strategy

- Always reply customer demands as the primary driving force.
- Always take quality advantages as the foundation for our existence.
- Always take research and development innovation as the top priority.

Service Philosophy

- **Bring warehouses closer to customers:**

  By placing warehouses near customers and establishing storage bases in North, East and South China, we can provide faster product delivery responses to customers.

- **Bring professional laboratories closer to customers:**

  Establish professional laboratories in North, East and South China, placing them close to clients to ensure rapid response to customer service, quick completion of product prototyping, and swift follow-up on market demands.

One Goal

To become a world-leading enterprise in UV-curable top-tier materials.

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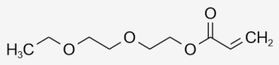
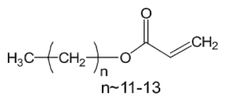
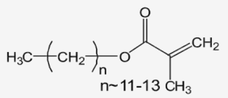
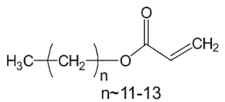
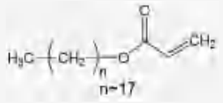
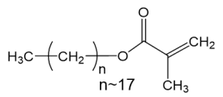
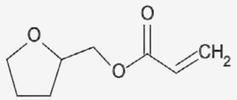
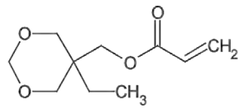
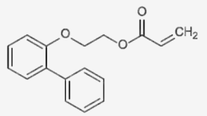
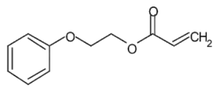
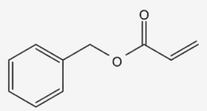
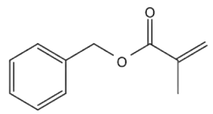
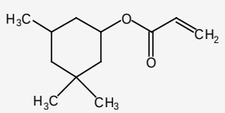
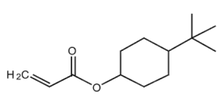
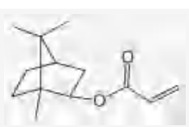
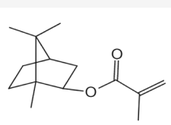
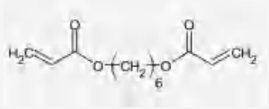
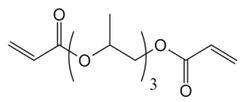
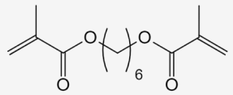
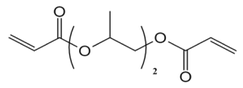
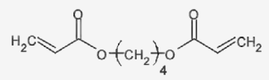
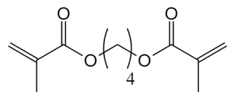
Monofunctional Monomers ▸ Linear Monofunctional Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT310	EOEOEA		2-(2-Ethoxyethoxy) Ethyl Acrylate	7328-17-8	230-811-7	·Low viscosity ·Good dilution ·Low shrinkage	Clear Liquid	188	3-8	-56	≤50	≤0.5	1.436
DT313	LA		Lauryl Acrylate	2156-97-0	218-463-4	·Low shrinkage ·Low viscosity ·Flexibility	Clear Liquid	240	4-8	-26	≤50	≤0.5	1.442
DT313M	LMA		Lauryl Methacrylate	142-90-5	205-570-6	·Low shrinkage ·Low viscosity ·Good dilution	Clear Liquid	254-268	4-8	-60	≤50	≤0.5	-
DT313M-H	LMA(12-14)		Lauryl Methacrylate	142-90-5	205-570-6	·Low shrinkage ·Low viscosity ·Good dilution	Clear Liquid	254-268	4-8	-60	≤50	≤0.5	-
DT318	SA		Stearyl Acrylate	4813-57-4	225-383-3	·Low shrinkage ·Flexibility ·Water resistance	Solid	324	-	46	≤50	≤0.5	1.448
DT318M	SMA		Stearyl Methacrylate	32360-05-7	251-013-5	·Low shrinkage ·Flexibility ·Water resistance	Solid	338	-	38	≤50	≤0.5	-

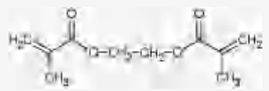
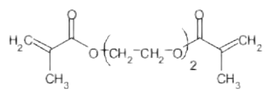
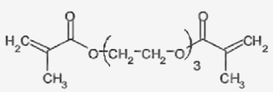
Monofunctional Monomers ▸ Cyclic Monofunctional Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT312	THFA		Tetrahydrofurfuryl Acrylate	2399-48-6	219-268-7	·Good adhesion ·Low viscosity ·Chemical resistance	Clear Liquid	154	5-6	-15	≤80	≤0.5	1.456
DT316	CTFA		Cyclic Trimethylolpropane Formal Acrylate	66492-51-1	266-380-7	·Low odor ·Low viscosity ·Chemical and wear resistance ·Fast curing	Clear Liquid	200	12-18	14	≤50	≤0.5	1.462
DT317	OPPEA		*Ortho*-Phenylphenoxy Ethyl Acrylate	91442-24-9	203-126-8	·High refraction ·Low shrinkage ·Low volatility ·Good adhesion	Clear Liquid	268	100-200	33	≤50	≤0.5	1.577
DT314	PHEA		2-Phenoxy Ethyl Acrylate	48145-04-6	256-360-6	·Low viscosity ·Good dilution ·Low shrinkage	Clear Liquid	192	5-15	7	≤50	≤0.5	1.517
DT3112	BZA		Benzyl Acrylate	2495-35-4	219-673-9	·Low viscosity ·High Tg ·Water resistance ·Chemical resistance ·Good dilution	Clear Liquid	162	3-10	11	≤100	≤0.5	1.516
DT3112M	BZMA		Benzyl Methylate	2495-37-6	219-674-4	·Low viscosity ·High Tg ·Water resistance ·Chemical resistance ·Good dilution	Clear Liquid	176	3-10	53	≤50	≤0.5	1.512
DT3130	TMCHA		3,3,5-Trimethylhexyl Acrylate	86178-38-3	289-200-9	·Good adhesion ·Low odor ·Low surface tension ·Fast curing	Clear Liquid	196	2-8	43	≤30	≤0.5	1.453
DT3150	TBCHA		4-(1,1-Dimethylethyl)Cyclohexyl Acrylate	84100-23-2	282-104-8	·Good adhesion ·Low odor ·Low surface tension ·Flexibility & hardness	Clear Liquid	210	5-15	65	≤50	≤0.5	1.464
DT315	IBOA		Isobornyl Acrylate	5888-33-5	227-561-6	·Good adhesion ·Low viscosity ·Chemical resistance ·Good dilution	Clear Liquid	208	5-15	80	≤50	≤0.5	1.474
DT315M	IBOMA		Isobornyl Methacrylate	7534-94-3	231-403-1	·Good adhesion ·Low viscosity ·Chemical resistance ·Good dilution	Clear Liquid	222	2-10	96	≤40	≤0.5	1.477

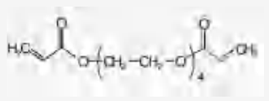
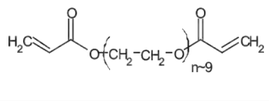
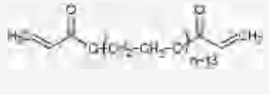
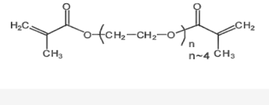
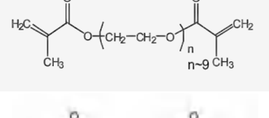
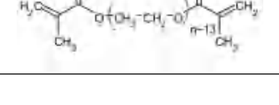
Di-Functional Monomers ▸ Common Diol Series Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT320	HDDA		1,6-Hexanediol Diacrylate	13048-33-4	235-921-9	·Good adhesion ·High gloss ·Good dilution	Clear Liquid	226	5-10	43	≤50	≤0.2	1.455
DT321	TPGDA		Tripropylene Glycol Diacrylate	42978-66-5	256-032-2	·Low viscosity ·Fast curing ·Flexibility	Clear Liquid	300	8-16	62	≤50	≤0.5	1.449
DT320M	HDDMA		1,6-Hexanediol Dimethacrylate	6606-59-3	229-551-7	·Low shrinkage ·Low viscosity ·Good adhesion	Clear Liquid	254	5-10	55	≤50	≤0.5	1.456
DT322	DPGDA		Dipropylene Glycol Diacrylate	57472-68-1	260-754-3	·Low viscosity ·Good dilution ·Fast curing	Clear Liquid	242	7-13	102	≤50	≤0.5	1.449
DT323	1,4-BDDA		1,4-Butanediol Diacrylate	1070-70-8	213-979-6	·Good dilution ·Fast curing ·Hydrophobicity	Clear Liquid	198	5-10	45	≤50	≤0.5	1.456
DT323M	1,4-BDDMA		1,4-Butanediol Dimethacrylate	2082-81-7	218-218-1	·Good dilution ·Fast curing ·Hydrophobicity	Clear Liquid	212	5-10	55	≤50	≤0.5	1.456
DT324P	NPG2PODA		$(Propoxylated)_2$ Neopentyl Glycol Diacrylate	84170-74-1	617-546-6	·Good wettability ·Low surface tension ·Low shrinkage ·Good adhesion	Clear Liquid	328	10-20	-20	≤50	≤0.5	1.446

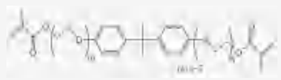
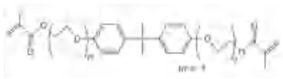
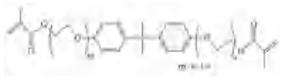
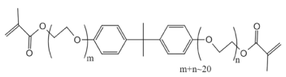
Di-Functional Monomers ▸ Ethylene Glycol Series Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT3210M	EGDMA		Ethylene Glycol Dimethacrylate	97-90-5	202-617-2	·Wear and water resistance ·High hardness ·Good flexibility	Clear Liquid	198	3-8	54	≤50	≤0.5	1.453
DT3217M	DEGDMA		Diethylene Glycol Dimethacrylate	2358-84-1	219-099-9	·Wear and water resistance ·Low irritation ·High hardness	Clear Liquid	242	5-10	58	≤30	≤0.5	1.457
DT3212M	TEGDMA		Triethylene Glycol Dimethacrylate	109-16-0	203-652-6	·Heat and impact resistance ·Low irritation ·Good flexibility	Clear Liquid	286	5-15	46	≤50	≤0.5	1.459

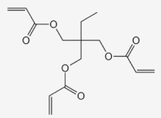
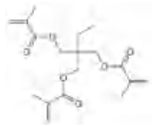
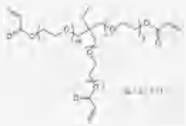
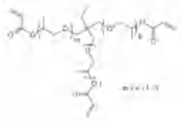
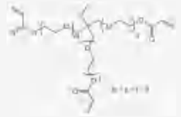
Di-Functional Monomers ▸ PEG-Modified Series Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT3201	PEG(200)DA		Polyethylene Glycol (200) Diacrylate	26570-48-9	251-228-4	·Low viscosity ·Good flexibility ·Partial water solubility	Clear Liquid	308	10-30	14	≤50	≤0.5	1.463
DT3202	PEG(400)DA		Polyethylene Glycol (400) Diacrylate	26570-48-9	251-228-4	·Low viscosity ·Good flexibility ·Partial water solubility	Clear Liquid	508	30-90	-25	≤50	≤0.5	1.467
DT3203	PEG(600)DA		Polyethylene Glycol (600) Diacrylate	26570-48-9	251-228-4	·Strong ductility ·Good flexibility ·Water solubility	Clear Liquid	708	80-120	-41	≤50	≤0.5	1.469
DT3201M	PEG(200)DMA		Polyethylene Glycol (200) Dimethacrylate	25852-47-5	219-760-1	·Heat and chemical resistance ·Low irritation ·Good flexibility	Clear Liquid	336	10-18	51	≤50	≤0.5	1.462
DT3202M	PEG(400)DMA		Polyethylene Glycol (400) Dimethacrylate	25852-47-5	219-760-1	·Heat and chemical resistance ·Low irritation ·Good flexibility	Clear Liquid	536	30-40	-21	≤50	≤0.5	1.466
DT3203M	PEG(600)DMA		Polyethylene Glycol (600) Dimethacrylate	25852-47-5	219-760-1	·Heat and chemical resistance ·Low irritation ·Good flexibility	Clear Liquid	736	60-100	-67	≤100	≤0.5	1.470

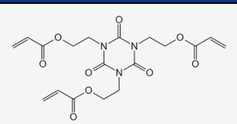
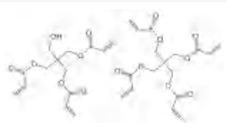
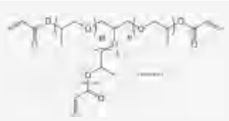
Di-Functional Monomers ▸ BPA-Modified Series Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT326M	BPA2EODMA		Ethoxylated Bisphenol-A Dimethacrylate	41637-38-1	609-946-4	·Hydrophily and hydrophobicity balance ·Low odor ·Good flexibility ·Low skin irritation	Clear Liquid	452	100-300	105	≤100	≤0.5	1.536
DT327M	BPA4EODMA		Ethoxylated Bisphenol-A Dimethacrylate	41637-38-1	609-946-4	·Hydrophily and hydrophobicity balance ·Low odor ·Good flexibility ·Low skin irritation	Clear Liquid	540	400-900	82	≤100	≤0.5	1.532
DT328	BPA10EODA		Ethoxylated Bisphenol-A Diacrylate	64401-02-1	200-001-8	·Hydrophily and hydrophobicity balance ·Low odor ·Good flexibility ·Low skin irritation	Clear Liquid	776	350-800	-7	≤100	≤0.5	1.516
DT328M	BPA10EODMA		Ethoxylated Bisphenol-A Dimethacrylate	41637-38-1	609-946-4	·Hydrophily and hydrophobicity balance ·Low odor ·Good flexibility ·Low skin irritation	Clear Liquid	804	200-700	3	≤50	≤0.5	1.513
DT329	BPA20EODA		Ethoxylated Bisphenol-A Diacrylate	64401-02-1	200-001-8	·Hydrophily and hydrophobicity balance ·Low odor ·Good flexibility ·Low skin irritation	Clear Liquid	1216	350-800	-37	≤100	≤0.5	1.500
DT329M	BPA20EODMA		Ethoxylated Bisphenol-A Dimethacrylate	41637-38-1	609-946-4	·Hydrophily and hydrophobicity balance ·Low odor ·Good flexibility ·Low skin irritation	Clear Liquid	1244	100-300	-15	≤100	≤0.5	1.497

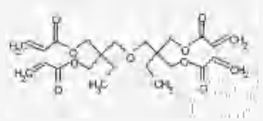
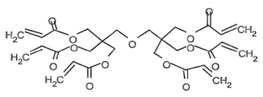
Tri-Functional Monomers ▸ TMPTA and Its Modified Series

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT330	TMPTA		Trimethylolpropane Triacrylate	15625-89-5	239-701-3	·High cross-linking density ·Low odor ·High hardness	Clear Liquid	296	70-110	62	≤50	≤0.2	1.473
DT330M	TMPTMA		Trimethylolpropane Trimethacrylate	3290-92-4	221-950-4	·High cross-linking density ·Low odor ·High hardness	Clear Liquid	338	35-50	27	≤50	≤0.2	1.472
DT333E	TMP3EOTA		Ethoxylated Trimethylolpropane Triacrylate	28961-43-5	500-066-5	·Low irritation ·Wast curing ·Good wettability	Clear Liquid	428	50-70	40	≤50	≤0.2	1.469
DT333P	TMP3POTA		Propoxylated Trimethylolpropane Triacrylate	53879-54-2	500-123-4	·Low irritation ·Wast curing ·Good wettability	Clear Liquid	470	70-100	-55	≤50	≤0.2	1.461
DT339E	TMP9EOTA		Ethoxylated Trimethylolpropane Triacrylate	28961-43-5	500-066-5	·Low irritation ·Wast curing ·Good wettability	Clear Liquid	692	80-110	-3	≤50	≤0.2	1.470

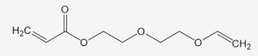
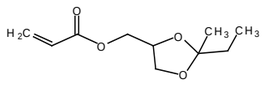
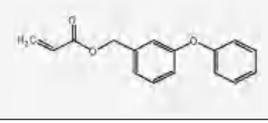
Tri-Functional Monomers ▸ Functional Trifunctional Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT3301	THEICTA		Tris(2-Hydroxy Ethyl) Isocyanurate Triacrylate	40220-08-4	254-843-6	·High cross-linking density ·Chemical resistance ·High hardness	Solid	423	-	272	≤50	≤0.2	1.510
DT335	PET3A		Pentaerythritol Triacrylate	3524-68-3	222-540-8	·Fast curing ·High cross-linking density ·High hardness	Clear Liquid	298	400-550	65	≤50	≤0.5	1.483
DT337P	G3.5POTA		Propoxylated Glyceryl Triacrylate	52408-84-1	500-114-5	·High cross-linking density ·Low odor ·Low shrinkage	Clear Liquid	457	70-100	35	≤50	≤0.5	1.461

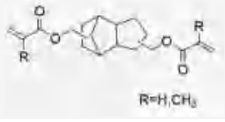
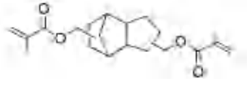
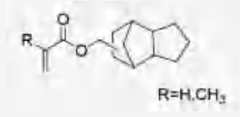
Multi-functional Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT340	DiTMPTA		Ditrimethylolpropane Tetraacrylate	94108-97-1	302-434-9	·High cross-linking density ·Fast curing ·Wear resistance	Clear Liquid	482	500-900	42	≤50	≤0.5	1.479
DT360	DPHA		Dipentaerythritol Hexaacrylate	29570-58-9	249-698-0	·High cross-linking density ·Water and chemical resistance ·High hardness and wear resistance	Clear Liquid	578	3500-7000	54	≤50	≤0.5	1.487

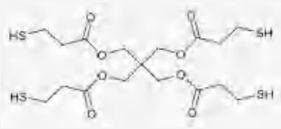
Speciality Materials

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT503	VEEA		2-Propenoic acid, 2-[2-(ethenyloxy)ethoxy] ethyl ester	86273-46-3	451-690-9	·Good dilution ·Good adhesion ·Low skin irritation	Clear Liquid	186.2	3-5	-3	≤25	≤0.2	1.4473
DT504	MEDOL-10		(2-ethyl-2-methyl-1,3-dioxolan-4-yl)Methyl Ester	69701-99-1	807-159-2	·Good dilution ·Good adhesion ·Low skin irritation ·No biological toxicity	Clear Liquid	200.2	5-6	-7	≤25	≤0.5	1.434
DT505	PBA		M-Phenoxybenzyl Acrylate	409325-06-0	-	·Good dilution ·High refractive index ·Good wettability	Solid	254.2	10-30	45	≤50	≤0.5	1.56

DCP Series Monomers

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
DT325	TCDDA		Tricyclodecane Dimethanol Diacrylate	42594-17-2	255-901-3	·Low shrinkage ·Fast curing ·Flexibility	Clear Liquid	304	100-150	120	≤50	≤0.5	1.503
DT325M	TCDDMA		Tricyclodecane Dimethanol Dimethacrylate	-	-	·Low shrinkage ·Fast curing ·Flexibility	Clear Liquid	304	100-150	120	≤50	≤0.5	1.503
DT3252	TCDNA		Tricyclodecane Acrylate Monomethyl Ether	127823-21-6	300-723-4	·High Tg ·Wear resistant ·Heat resistant ·Low odor	Clear Pale Yellow liquid	206	≤20	-	≤30	≤0.5	-

Thiol

Code	Abbr.	Structural Formula	Chemical Name	CAS No.	EC No.	Product Features	Appearance	MW	Viscosity	Tg	Color	Acid Value	RI
S-401	PETMP		Pentaerythritol Tetra(3-mercaptopropionate)	7575-23-7	231-472-8	1.Reduce curing shrinkage 2.Good storage stability 3.Increase the flexibility of the cured product 4.Enhance adhesion to substrates 5.Achieve low-temperature curing and rapid curing 6.Improve the hydrolysis resistance of the cured product	Clear Liquid	488.7	230-270	-	15-25	28-32	1.531

FACTORY

Production Base

Production Base

Production Base

Production Base

Production Workshop

Production Workshop

LABORATORY

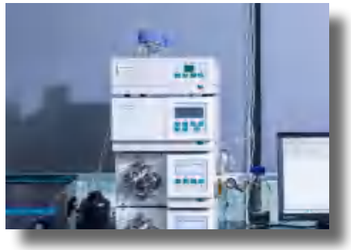
PY-GCMS

FTIR

GPC

HPLC

GC



HPLC

Laboratory

Laboratory

KIMCHEM
MATERIAL

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