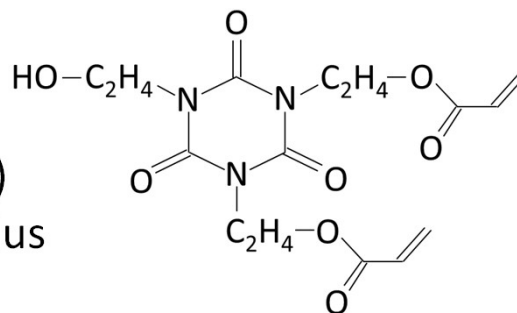


THEIC Diacrylate

ARONIX[®] M-923

Features

- ① High Tg of cured product (181 deg. C)
- ② It is suitable for increasing the modulus of adhesives, etc.
- ③ It is suitable as a dual cure material for UV and heat.
- ④ Toluene free, TSCA ; Listed



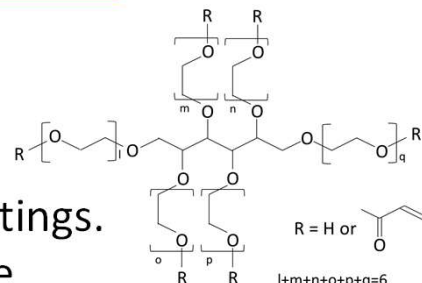
		M-923	Conventional (M-215)
Appearance		Pale yellow liquid	Pale yellow liquid
Color	APHA	< 50 (Reference value)	< 50 (Reference value)
Viscosity	mPa · s (25°C)	20,000-100,000	3,500-15,000
OH Value	mgKOH/g	140 (Reference value)	130 (Reference value)
Toluene content	wt. %	Toluene Free	7 (Reference value)
Glass transition temp. (Cured product)	°C	181 (Reference value)	166 (Reference value)

Water soluble Diacrylate

ARONIX[®] M-926

Features

- ① M-926 is a water soluble acrylate and is suitable ESD, anti-fog and anti-smudge coatings.
- ② Since it has a high OH base value, it is suitable as a raw material for Dual Cure and Photoresist.
- ③ Toluene free, TSCA ; We applied for LVE registration.



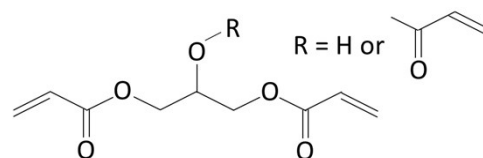
		M-926	PETA (M-305)
Color	APHA	<150	<100
Viscosity	mPa·s (25°C)	3,000~7,000	180~850
OH Value	mgKOH/g	250~350	100~130
Ratio of plant-derived raw materials in the molecule	%	27	—
Compatibility of water	Monomer:100wt.	Mixable in any ratio	<5wt.
Tg (=tanδ _{max})	°C	53	>250
Volume Shrinkage	%	7.0	12.5
Water absorption rate	%	28.5	0.8

Glycerin Diacrylate

ARONIX[®] M-920

Features

- ① Glycerin Diacrylate (M-920) satisfies both low viscosity and high hardness.
- ② It is suitable as a diluent for hard coats made of UA and a raw material of anti-fog and anti-smudge coating, adhesive crosslinker.
- ③ Toluene free, TSCA ; We applied for LVE registration.



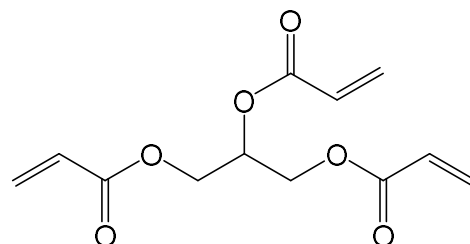
		Glycerin Diacrylate (M-920)	PETA (M-305)
Viscosity(25°C)	mPa · s	≒ 40	500
Pencil Hardness	750gf	3H	3H
OH Value	mgKOH/g	≒ 240	100-130
Adhesion	PC	100/100	0/100
	PMMA	100/100	100/100
	ABS	100/100	0/100

Glycerin Triacrylate

ARONIX[®] M-930

Features

- ① Glycerin Triacrylate (M-930) satisfies both low viscosity and high hardness.
- ② It is suitable as a diluent for hard coats made of urethane acrylate, and adhesive crosslinker.
- ③ Toluene free, TSCA ; Listed



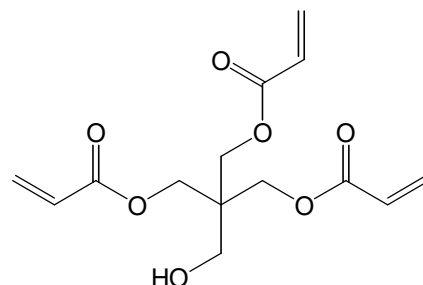
		Glycerin Triacrylate (M-930)	PETA (M-305)
Viscosity(25°C)	mPa · s	20~40	500
Pencil Hardness	750gf	3H	3H
Scratch Resistance	Steel Wool : #0000, 500gf×100cycles	OK	OK
Adhesion	PC	100/100	0/100
	PMMA	100/100	100/100
	TAC	100/100	N/A
Volume Shrinkage	%	14.8	13.5

High OH value PETA

ARONIX[®] M-933

Features

- ① OH value of M-933(PETA) is more than twice that of conventional monomer(M-305).
- ② M-933 is suitable as a raw material for urethane acrylates, photoresists and hydrophilic coatings.
- ③ Toluene free, TSCA ; Listed

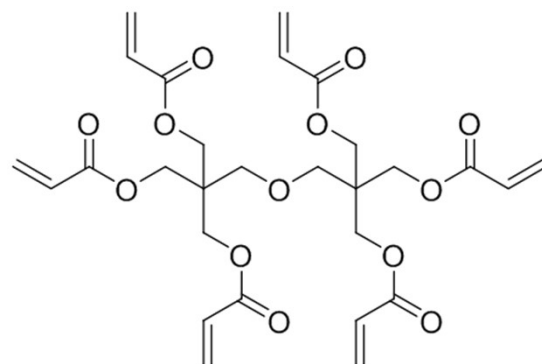


		M-933	Conventional PETA (M-305)
Properties	Appearance	Pale yellow liquid	Pale yellow liquid
	Color APHA	< 100	< 100
	Viscosity mPa · s (25°C)	400~1200	180~850
	OH Value mgKOH/g	250~300 (Reference value)	100~130 (Reference value)
	Acid Value mgKOH/g	< 1.00	< 1.00
	Compatibility of water Monomer:100wt.	< 17wt.	< 5wt.
Coating film properties	Pencil Hardness	H	2H
	Contact angle / Water degree	54	64

High purity DPHA ARONIX[®] M-940

Features

- ① High hardness • Low Viscosity
- ② Good hydrolysis resistance
- ③ Good metal corrosion resistance
- ④ Toluene free, TSCA ; Listed



Features①

	M-940	Conventional DPHA
Viscosity (mPa·s, 25°C)	3,000	7,000

Features②

#Stability / Acrylic acid concentration(ppm)

	M-940	Conventional DPHA
Before	5	109
After	8	2,540

*Monomer was kept at 70°C for 14 days.

Features③

#Metal corrosivity / Metal concentration(ppb)

	M-940	Conventional DPHA
Aluminum	<30	34
Iron	<30	220
Copper	44	49,000

*Metal sample immersed in monomer and stored at 70 °C for 14 days.



M-940



Conventional
DPHA