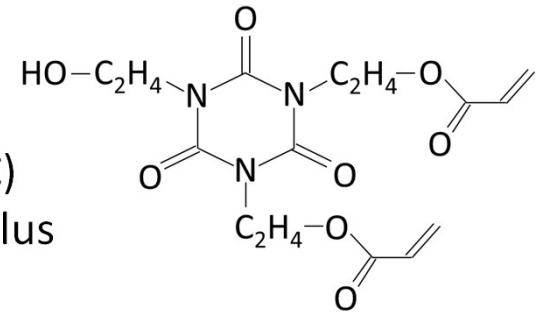
THEIC Diacrylate
ARONIX® M-923



Features

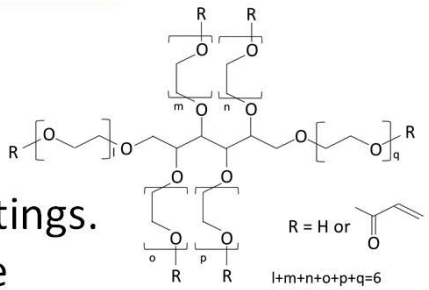
① High Tg of cured product (181 deg. C)
② It is suitable for increasing the modulus of adhesives, etc.
③ It is suitable as a dual cure material for UV and heat.
④ Toluene free, TSCA ; Listed

		M-923	Conventional (M-215)
Appearance		Pale yellow liquid	Pale yellow liquid
Color	APHA	< 50 (Reference value)	< 50 (Reference value)
Viscosity	mPa・s（25℃）	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)	℃	181 (Reference value)	166 (Reference value)

Toagosei America Inc.

1450 West Main Street West Jefferson, Ohio 43162
Tel : 614-879-9411
https://aronalpha.net/
hkato@toagosei.net

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.

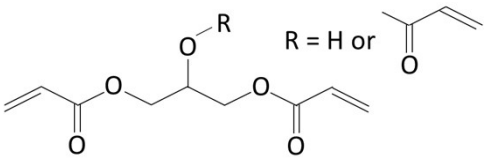
		M-926	PETA (M-305)
Color	APHA	<150	<100
Viscosity	mPa･s（25℃）	3,000～7,000	180～850
OH Value	mgKOH/g	250～350	100～130
Ratio of plant-derived raw materials in the molecule	%	27	—
Compatibility of water	Monomer:100wt.	Mixable in any ratio	<5wt.
Tg （=tanδ_{max}）	℃	53	>250
Volume Shrinkage	%	7.0	12.5
Water absorption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

Toagosei America Inc.

1450 West Main Street West Jefferson, Ohio 43162
Tel : 614-879-9411
https://aronalpha.net/
hkato@toagosei.net

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.

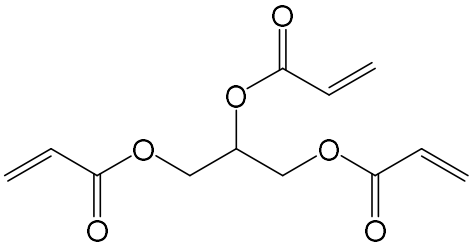
③ Toluene free, TSCA ; We applied for LVE registration.

		Glycerin Diacrylate (M-920)	PETA (M-305)
Viscosity(25℃)	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

Toagosei America Inc.

1450 West Main Street West Jefferson, Ohio 43162
Tel : 614-879-9411
https://aronalpha.net/
hkato@toagosei.net

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

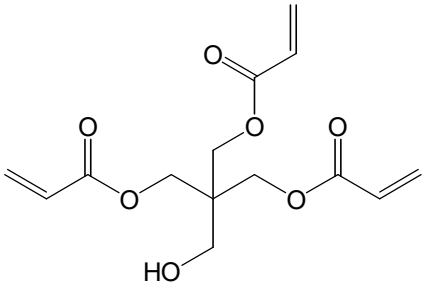
		Glycerin Triacrylate (M-930)	PETA (M-305)
Viscosity(25℃)	mPa・s	20～40	500
Pencil Hardness	750gf	3H	3H
Scratch Resistance	Steel Wool：#0000, 500gf×100cycles	OK	OK
Adhesion	PC	100/100	0/100
	PMMA	100/100	100/100
	TAC	100/100	N/A
Volume Shrinkage	%	14.8	13.5

Toagosei America Inc.

1450 West Main Street West Jefferson, Ohio 43162
Tel : 614-879-9411
https://aronalpha.net/
hkato@toagosei.net

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℃）	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

Toagosei America Inc.

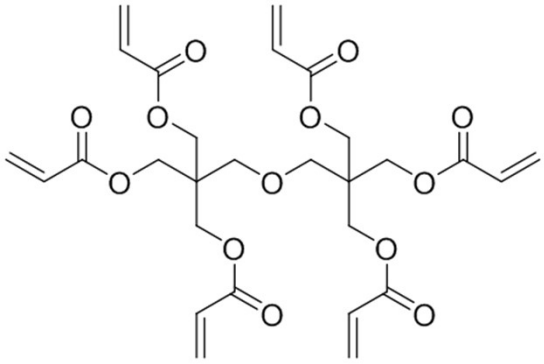
1450 West Main Street West Jefferson, Ohio 43162
Tel : 614-879-9411
https://aronalpha.net/
hkato@toagosei.net

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℃)	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℃ 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 ℃ for 14 days.

M-940

Conventional DPHA

Toagosei America Inc.

1450 West Main Street West Jefferson, Ohio 43162
Tel : 614-879-9411
https://aronalpha.net/
hkato@toagosei.net