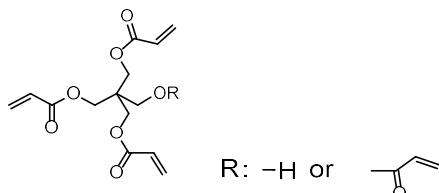


ARONIX[®] M-305(PETA)

Pentaerythritol tri/tetra acrylate

Chemical structure



Pentaerythritol tri/tetra acrylate
(tri acrylate content = 55~63%)

Product data

Color (APHA)	< 100
Viscosity (mPa·s/25°C)	180~800
Residual (%)	< 0.1
Acid value (mgKOH/g)	< 1.0
Relative density (/°C)	1.181/25
Surface tension (mN/m)	43.8
Reflective index (n _D 25)	1.490

Features

- Monomer of containing-OH group
- Fast cure
- Good adhesion(plastics)

Application

- Hard coating
- Ink
- Raw material for urethane acrylate
- Adhesive

Safety data

P.I.I.	2.8
Flash point (°C)	190°C(Polymerized) Open – cup
Inhibitor as MEHQ (ppm)	610

Description

Molecular Weight: 298 (Main component)

Functionality: Approx. 3 and more

Appearance: Waxy solid or liquid

Properties of cured film

Tensile strength (kg/cm ²)	38
Elongation (%)	0~5
Tg (°C)	250以上
Relative density (/°C)	1.365/25
Cure shrinkage (%)	13.45
Shore hardness	D95

Registration

Japan (METI)	Listed
USA (TSCA)	Listed
EU (REACH)	Not supported
China (IECSC)	Listed
Korea (ECL) K-REACH	Listed Not supported
Taiwan	Listed

Package

18kg C/N
200kg D/M

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