

APE

Pentaerythritol triallyl ether

Typical Properties

Molecular formula	C ₁₄ H ₂₄ O ₄
Molecular weight	256.38
CASNO.	1471-17-6
Appearance	Colorless and transparent
Pentaerythritol diallyl ether(%)	4.0-16.0
Pentaerythritol triallyl ether(%)	75.0-84.0
Pentaerythritol tetraallyl ether(%)	5.0-12.0
Chroma (Pt-Co)	≤50
Boiling point(°C)	225
Flash point(°C)	146
Density (25°C)(g/cm ³)	0.985
peroxide	≤20
Refractive index	n ₂₀ /D _{1.468}
Hydroxyl value(mgKOH/g)	23-260
Viscosity(23°C)	20±10

TECHNICAL DATA SHEET

Product Description

Pentaerythritol triallyl ether(APE) is colorless and transparent in appearance, which is mainly used as crosslinking agent, such as acrylic polymer thickener and super absorbent resin.

APE is a molecule with four functional groups, including three allyl groups and one hydroxyl group.

Product Features

- High water absorption
- Better corrosion resistance
- Increase viscosity and crosslinking

Product Applications

- Emulsion coating
- Polyurethane resins
- Unsaturated polyester
- Ultraviolet curing insulating resin
- Some radical polymerization, like carbomers
- Crosslinkers and thickeners for super absorbent polymers (SAP)

Safety & Handling

- Keep far away from fire.
- Avoid shine, rain and high temperature in transportation.
- Store the products in cool, shady and ventilated conditions.

For more information contact

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Packing

- Isotank
- IBC, 1000kg net weight
- Steel drum, 200kg net weight