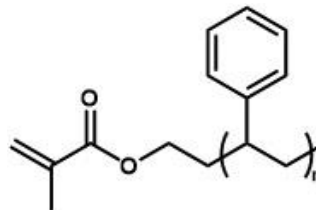


BIMAX® MTPS

Methacrylate Terminated Polystyrene

CAS No. Proprietary

EINECS No. Not applicable



Applications

This material is a low molecular weight polystyrene resin with a single methacrylate ester end-group. This macromolecular monomer product is usually supplied in cyclohexane solution (viscosity: 100cps). However, it can also be supplied in powder form. Resin properties match polystyrene. Solution properties depend on the type and amount of monomer or solvent in which the resin product is dissolved. The key features and advantages include:

- Improves toughness while maintaining the thermoplastic nature of the end polymer
- Readily copolymerizable with many acrylates and acrylamides
- Soluble in a wide range of organic solvents
- In adhesive formulations it is known to increase shear strength with minimal effect on peel strength

Typical Properties

	In Cyclohexane	Powdered
Active monomer, %	35	100
Volatiles, %	65	<1
pH	4.5-7	N/A

Physical Properties

Appearance	colorless to yellow liquid OR white powder
Avg. Molecular weight	12,000 g/mol
Glass Temp (Tg), °C	95
Specific gravity, 25°C	0.85 (solution), 1.05 (powder)

Packaging

1-gallon HDPE bottles, containing 1 kg each (powder)

55-gallon unlined, steel drums, containing 160 kg each (solution)

Storage and Handling

Store at temperatures below 32°C, away from heat sources. Avoid exposure to strong oxidizing agents. Wear goggles and gloves. Eye and skin contact, as well as inhalation, should be avoided. If contact occurs, wash affected area immediately with cold water. Consult the Safety Data Sheet.

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