

TECHNICAL DATA SHEET

SR552

Methoxy Polyethylene Glycol (550) Monomethacrylate

DESCRIPTION

SR552 is a monofunctional methacrylate monomer that features excellent wetting, water solubility, low Tg, and fast surface cure. It is recommended as a versatile intermediate for coatings and polymer modification.



LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	1
Molecular Weight (g/mol)	693
Density at 25°C (g/mL)	1.0902
Viscosity at 25°C (mPa.s or cPs)	39
Refractive Index at 25°C	1.4611
Color (Pt/Co or APHA)	<400

CURED PROPERTIES

Tg (°C), by DSC	-65
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PRODUCT PERFORMANCE

Flexibility
Shrinkage
Metal Adhesion
Wood Adhesion

SPECIAL FEATURE

Water soluble

SUGGESTED APPLICATIONS

Adhesives & sealants
Artificial marble
Composites
Electrical potting & encapsulation

SHELF LIFE

Store in the original, closed container in a dry, cool (<45°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is 6 months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided. Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers

STORAGE

See SDS for Storage Considerations

HEALTH AND SAFETY

See SDS for Health & Safety Considerations

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