

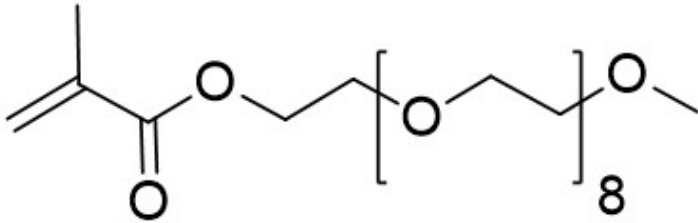
TECHNICAL DATA SHEET

SR550

Methoxy Polyethylene Glycol (350) Monomethacrylate

DESCRIPTION

SR550 is a monofunctional monomer that features excellent wetting, water solubility, low Tg, and fast surface cure. It is recommended as a versatile chemical intermediate for coatings and polymer modification.



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

LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	1
Color (Pt/Co or APHA)	<400
Viscosity at 25°C (mPa.s or cPs)	19
Density at 25°C (g/mL)	1.0752
Molecular Weight (g/mol)	418
Refractive Index at 25°C	1.4566
Surface Tension at 20°C (mN/m)	36.8

CURED PROPERTIES

Tg (°C), by DSC	-62
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PRODUCT PERFORMANCE

Shrinkage
Flexibility
Weatherability
Wood Adhesion
ABS/PC Adhesion
Metal Adhesion
PVC/PS Adhesion
PE/PET/PP/PMMA Adhesion

SPECIAL FEATURE

Water soluble

SUGGESTED APPLICATIONS

Adhesives & sealants
Artificial marble
Composites
Industrial flooring & waterproofing
Inkjet inks
Polymer synthesis

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