

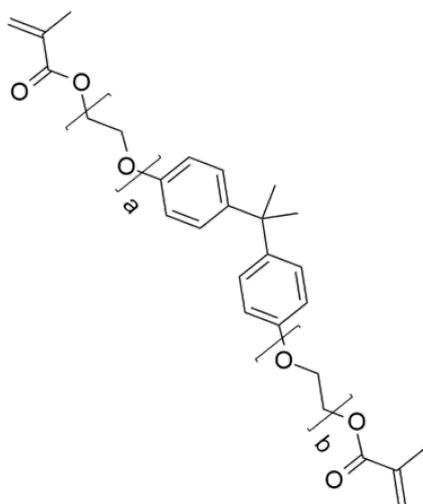
TECHNICAL DATA SHEET

SR542

Ethoxylated (8) Bisphenol A Dimethacrylate

DESCRIPTION

SR542 is a low volatility monomer used in free radical polymerization. It provides a good hydrophobic and hydrophilic balance.



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
Viscosity at 25°C (mPa.s or cPs)	420
Density at 25°C (g/mL)	1.1223
Molecular Weight (g/mol)	188
Refractive Index at 25°C	1.5147
Surface Tension at 20°C (mN/m)	42
Functionality	2
Color (Pt/Co or APHA)	<250

CURED PROPERTIES

Tg (°C), by DSC	35
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PRODUCT PERFORMANCE

Hardness
Wood Adhesion
Metal Adhesion
Chemical Resistance
Shrinkage
Flexibility
Scratch Resistance
Abrasion Resistance
Corrosion Resistance

SUGGESTED APPLICATIONS

Adhesives & sealants
Artificial marble
Composites
Electrical potting & encapsulation
Electronics
Industrial flooring & waterproofing
Polymer synthesis
Wood coatings

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