

TECHNICAL DATA SHEET

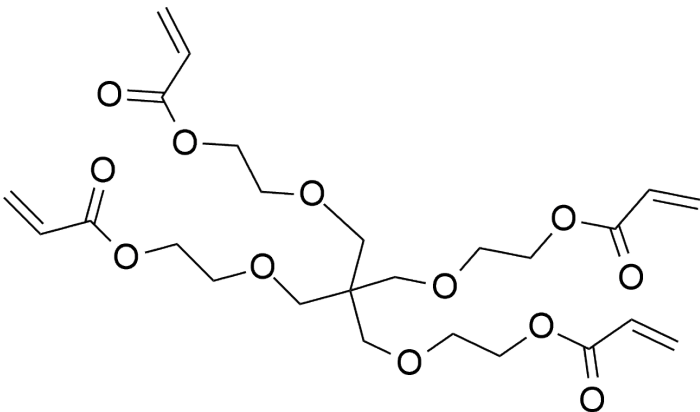
SR494

Ethoxylated (4) Pentaerythritol Tetraacrylate

DESCRIPTION

SR494 is a heat resistant, fast curing tetrafunctional monomer for use in UV/EB polymerization. It is a low skin irritation monomer.

 Improved cure response under LED



LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	4
Color (Pt/Co or APHA)	<100
Viscosity at 25°C (mPa.s or cPs)	150
Density at 25°C (g/mL)	1.1313
Molecular Weight (g/mol)	569
Refractive Index at 25°C	1.4711
Surface Tension at 20°C (mN/m)	38

CURED PROPERTIES

Tg (°C), by DSC	64
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PRODUCT PERFORMANCE

Pigment Wetting
Hardness
Scratch Resistance
Abrasion Resistance
Flexibility
Stain Resistance
Chemical Resistance

SPECIAL FEATURE

High functionality

SUGGESTED APPLICATIONS

- Adhesives & sealants
- Electronics
- Flexographic inks
- Industrial flooring & waterproofing
- Inkjet inks
- Metal coatings
- Offset inks
- Overprint varnishes
- Polymer synthesis
- Screen inks
- Wood coatings

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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