

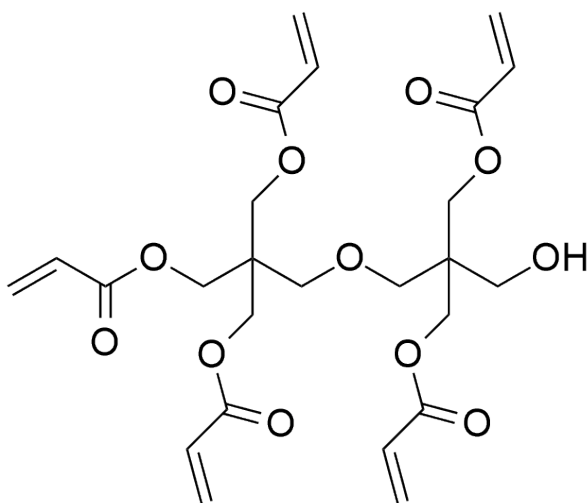
TECHNICAL DATA SHEET

SR399 LV

Low Viscosity Dipentaerythritol Pentaacrylate

DESCRIPTION

SR399LV combines abrasion resistance and flexibility with hardness and fast cure response for ultraviolet and electron beam curing. It is a low skin irritation monomer.



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	5
Color (Pt/Co or APHA)	<150
Density at 25°C (g/mL)	1.1955
Refractive Index at 25°C	1.4885
Viscosity at 25°C (mPa.s or cPs)	7000
Molecular Weight (g/mol)	525
Surface Tension at 20°C (mN/m)	40

CURED PROPERTIES

Tg (°C), by DSC	90
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PRODUCT PERFORMANCE

Metal Adhesion
 Hardness
 Stain Resistance
 Scratch Resistance
 Abrasion Resistance
 Chemical Resistance
 Weatherability
 Moisture Resistance
 Corrosion Resistance

SPECIAL FEATURE

High functionality

SUGGESTED APPLICATIONS

Adhesives & sealants
 Electronics
 Flexographic inks
 Inkjet inks
 Metal coatings
 Offset inks
 Overprint varnishes
 Screen inks
 Wood coatings

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