SARTOMER®

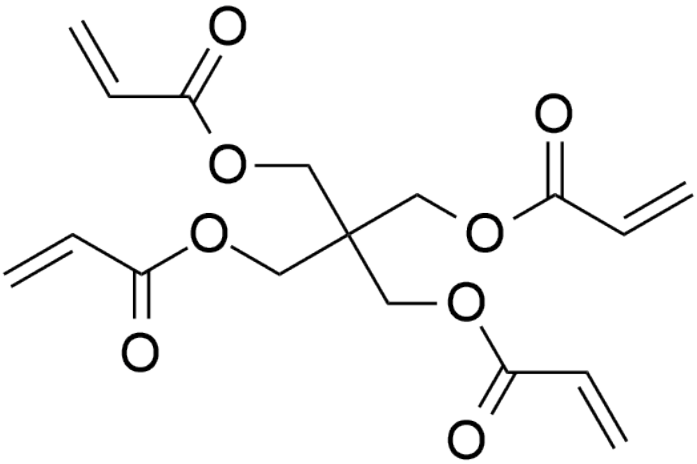
TECHNICAL DATA SHEET

SR295

Pentaerythritol Tetraacrylate

DESCRIPTION

SR295 is a tetrafunctional monomer.



LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	4
Color (Pt/Co or APHA)	<250
Density at 25°C (g/mL)	1.1825
Refractive Index at 25°C	1.4847
Viscosity at 25°C (mPa.s or cPs)	342
Molecular Weight (g/mol)	352
Surface Tension at 20°C (mN/m)	40

CURED PROPERTIES

Tg (°C), by DSC	103

PRODUCT PERFORMANCE

Hardness
Weatherability
Stain Resistance
Scratch Resistance
Abrasion Resistance
Chemical Resistance

SPECIAL FEATURE

High functionality

SUGGESTED APPLICATIONS

Adhesives & sealants
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Optical fibers
Overprint varnishes
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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