

TECHNICAL DATA SHEET

SR833S

Tricyclodecanedimethanol Diacrylate

DESCRIPTION

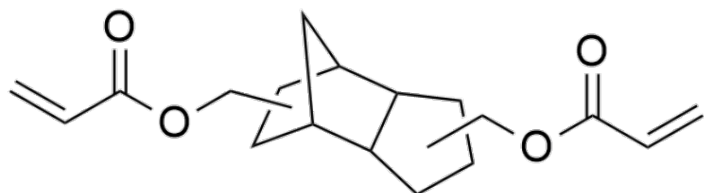
SR833S is a low viscosity difunctional acrylate monomer that is polymerized by free radicals. It can be used in a variety of UV/EB-cured applications where flexibility and adhesion are required. SR833S also demonstrates good firm toughness and weathering characteristics.



Improved cure response under LED



Superior weathering performance



LIQUID PROPERTIES

Appearance	Clear liquid
Viscosity at 25°C (mPa.s or cPs)	130
Density at 25°C (g/mL)	1.1032
Molecular Weight (g/mol)	304
Refractive Index at 25°C	1.5
Surface Tension at 20°C (mN/m)	37.9
Functionality	2
Color (Pt/Co or APHA)	<200

CURED PROPERTIES

Tg (°C), by DSC	186
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PRODUCT PERFORMANCE

Hardness
 Weatherability
 Scratch Resistance
 Abrasion Resistance
 Chemical Resistance
 Moisture Resistance
 Wood Adhesion
 ABS/PC Adhesion
 Metal Adhesion
 PVC/PS Adhesion
 Stain Resistance
 Corrosion Resistance
 PE/PET/PP/PMMA Adhesion

SPECIAL FEATURE

Tough

SUGGESTED APPLICATIONS

3D printing
 Adhesives & sealants
 Conformal coatings
 Electronics
 Flexographic inks
 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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