SARTOMER®

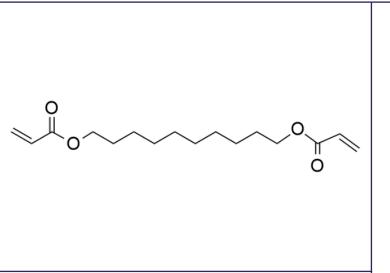
TECHNICAL DATA SHEET

SR595

1,10-Decanediol Diacrylate

DESCRIPTION

SR595 is an acrylate monomer that exhibits low odor with high reactivity. SR595 is useful in applications, such as coatings and digital and screen inks, where outdoor weathering resistance is needed.



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 Viscosity at 25°C (mPa.s or cPs) Density at 25°C (g/mL) Molecular Weight (g/mol) Refractive Index at 25°C Surface Tension at 20°C (mN/m) Functionality Color (Pt/Co or APHA)

CURED PROPERTIES

Tg (°C), by DSC

91

Clear liquid

15

282

33

2

0.9708

1.4573

<200

PRODUCT PERFORMANCE

Moisture Resistance ABS/PC Adhesion PVC/PS Adhesion Weatherability Chemical Resistance Corrosion Resistance PE/PET/PP/PMMA Adhesion Hardness Shrinkage Flexibility Stain Resistance Abrasion Resistance

SPECIAL FEATURE

Low odor

SUGGESTED APPLICATIONS

3D printing Composites Conformal coatings Flexographic inks Inkjet inks Metal coatings Offset inks Polymer synthesis Screen inks Wood coatings

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