SARTOMER®

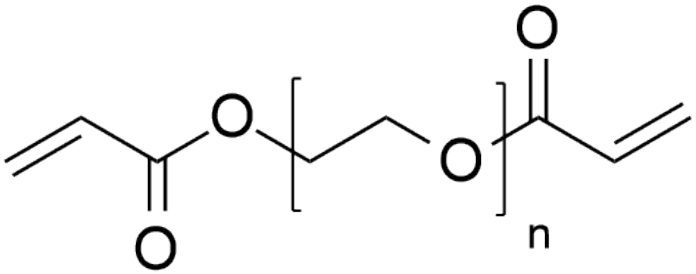
TECHNICAL DATA SHEET

SR610

Polyethylene Glycol (600) Diacrylate

DESCRIPTION

SR610 is a low skin irritation, water-soluble monomer that produces soft, flexible free-radically cured flexible films.



LIQUID PROPERTIES

Appearance	Clear to hazy
Functionality	2
Color (Pt/Co or APHA)	<200
Viscosity at 25°C (mPa.s or cPs)	90
Density at 25°C (g/mL)	1.1203
Molecular Weight (g/mol)	708
Refractive Index at 25°C	1.4676
Surface Tension at 20°C (mN/m)	44

CURED PROPERTIES

Tg (°C), by DSC	-42

PRODUCT PERFORMANCE

Shrinkage
Flexibility
Pigment Wetting
Weatherability
Wood Adhesion
ABS/PC Adhesion
Metal Adhesion
PVC/PS Adhesion
PE/PET/PP/PMMA Adhesion

SPECIAL FEATURE

Hydrophilic

SUGGESTED APPLICATIONS

3D printing
Adhesives & sealants
Electronics
Flexographic inks
Overprint varnishes
Polymer synthesis

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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