

TECHNICAL DATA SHEET

CN963E80

Aliphatic Urethane Acrylate blended with TMP(3EO)TA (SR454)

DESCRIPTION

CN963E80 is an aliphatic polyester based urethane diacrylate oligomer blended with 20% SR454, ethoxylated trimethylol propane triacrylate. It is a hard oligomer offering good weatherability.



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	2
Color (Pt/Co or APHA)	<100
Density at 25°C (g/mL)	1.1062
Refractive Index at 25°C	1.486

CURED PROPERTIES

Tg (°C), by DSC	58
Elongation at break (%)	4
Tensile Strength (MPa)	50
Young Modulus (MPa)	1965

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Adhesives & sealants
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Wood coatings

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