

TECHNICAL DATA SHEET

CN982A75

Aliphatic Urethane Acrylate blended with TPGDA (SR306)

DESCRIPTION

CN982A75 is an aliphatic polyester/polyether based urethane diacrylate oligomer blended with 25% SR306, tripropylene glycol diacrylate. It offers excellent weathering properties coupled with an inherently low viscosity. Additional benefits include an excellent balance of high tensile strength and high elongation, along with a fast cure response.



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
Density at 25°C (g/mL)	1.1253
Refractive Index at 25°C	1.479
Color (Pt/Co or APHA)	<100

CURED PROPERTIES

Young Modulus (MPa)	152
Elongation at break (%)	42
Tensile Strength (MPa)	41
Tg (°C), by DSC	50

PRODUCT PERFORMANCE

- Shrinkage
- Hardness
- Wood Adhesion
- Weatherability
- Metal Adhesion
- Scratch Resistance
- Abrasion Resistance
- Moisture Resistance
- Corrosion Resistance

SUGGESTED APPLICATIONS

- Flexographic inks
- Inkjet inks
- Metal coatings

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