

TECHNICAL DATA SHEET

CN971A80

Aromatic Urethane Acrylate blended with TPGDA (SR306)

DESCRIPTION

CN971A80 is an aromatic polyether based urethane triacrylate oligomer blended with 20% SR306, tripropylene glycol diacrylate. It is a resilient oligomer.



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
Density at 25°C (g/mL)	1.1213
Refractive Index at 25°C	1.4931
Functionality	3
Color (Pt/Co or APHA)	<100

CURED PROPERTIES

Tg (°C), by DSC	-11
Young Modulus (MPa)	89
Elongation at break (%)	27
Tensile Strength (MPa)	8

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Metal coatings
Optical fibers
Wood coatings

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