

## 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

Functionality	2
Appearance	Clear liquid
Refractive Index at 25°C	1.479
Density at 25°C (g/mL)	1.1253
Color (Pt/Co or APHA)	<100

### CURED PROPERTIES

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

### PRODUCT PERFORMANCE

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

### SUGGESTED APPLICATIONS

Flexographic inks  
Inkjet inks  
Metal coatings

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