

TECHNICAL DATA SHEET

CN985B88

Aliphatic Urethane Acrylate blended with HDDA (SR238)

DESCRIPTION

CN985B88 is an aliphatic polyester based urethane diacrylate oligomer blended with SR238, hexane diol diacrylate. It has low viscosity, excellent weatherability, and excellent resistance to hydrolysis.



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)	1.1564
Refractive Index at 25°C	1.492

CURED PROPERTIES

Tg (°C), by DSC	103
Elongation at break (%)	5
Tensile Strength (MPa)	52
Young Modulus (MPa)	2379

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Electronics
Flexographic inks
Inkjet inks
Metal coatings
Plastic coatings
Screen inks
Wood coatings

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