

TECHNICAL DATA SHEET

CN981B88

Aliphatic Urethane Acrylate blended with HDDA (SR238)

DESCRIPTION

CN981B88 is an aliphatic polyester/polyether based urethane diacrylate oligomer blended with 12% SR238, hexanediol diacrylate monomer. 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	1.487
Density at 25°C (g/mL)	1.1062
Color (Pt/Co or APHA)	<100

CURED PROPERTIES

Tg (°C), by DSC	28
Young Modulus (MPa)	152
Elongation at break (%)	41
Tensile Strength (MPa)	14

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Metal coatings

Arkema Inc
502 Thomas Jones Way
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