

TECHNICAL DATA SHEET

CN975

Aromatic Hexafunctional Urethane Acrylate

DESCRIPTION

CN975 is a hexafunctional aromatic urethane acrylate oligomer with excellent cure response, low viscosity, and very high crosslink density.



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	6
Appearance	Clear liquid
Refractive Index at 25°C	1.4984
Density at 25°C (g/mL)	1.1825
Color (Pt/Co or APHA)	<100

CURED PROPERTIES

Tg (°C), by DSC	112
Young Modulus (MPa)	2979
Elongation at break (%)	2
Tensile Strength (MPa)	47

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

High functionality

SUGGESTED APPLICATIONS

Electronics
Flexographic inks
Inkjet inks
Metal coatings
Overprint varnishes
Wood coatings

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