

TECHNICAL DATA SHEET

CN9005

Aliphatic Urethane Acrylate

DESCRIPTION

CN9005 is a difunctional aliphatic urethane acrylate oligomer characterized by low color and low viscosity. CN9005 is non-yellowing and imparts flexibility to adhesives, coatings, and inks.



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)	<50
Density at 25°C (g/mL)	1.0782
Refractive Index at 25°C	1.484

CURED PROPERTIES

Tg (°C), by DSC	-10
Young Modulus (MPa)	160
Elongation at break (%)	46
Tensile Strength (MPa)	18

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Adhesives & sealants
Inkjet inks
Metal coatings
Plastic coatings
Wood coatings

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