

TECHNICAL DATA SHEET

CN9007

Aliphatic Urethane Acrylate

DESCRIPTION

CN9007 is a difunctional oligomer that imparts flexibility and abrasion resistance to UV/EB-cured inks and coatings. CN9007 is also non-yellowing and low in color.



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	1.478
Density at 25°C (g/mL)	1.1022
Color (Gd)	1
Color (Pt/Co or APHA)	<100

CURED PROPERTIES

Tg (°C), by DSC	1
Young Modulus (MPa)	101
Elongation at break (%)	68
Tensile Strength (MPa)	14

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Inkjet inks
Metal coatings
Wood coatings

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