

TECHNICAL DATA SHEET

CN9009

Aliphatic Urethane Acrylate Oligomer

DESCRIPTION

CN9009 is an aliphatic oligomer that imparts excellent toughness and non-yellowing properties to UV/EB-curable inks, adhesives, and coatings.



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)	<80
Density at 25°C (g/mL)	1.0932
Refractive Index at 25°C	1.485
Surface Tension at 20°C (mN/m)	40

CURED PROPERTIES

Tg (°C), by DSC	40
Elongation at break (%)	140
Tensile Strength (MPa)	33
Young Modulus (MPa)	703

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Tough

SUGGESTED APPLICATIONS

3D printing
Adhesives & sealants
Electronics
Inkjet inks
Metal coatings
Screen inks

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