

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.

Product performance

Flexibility
Shrinkage
Weatherability
ABS/PC Adhesion
Chemical Resistance

Suggested applications

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

Special features

Tough

Typical values

Appearance	Clear liquid
Color (Pt/Co or APHA)	<80
Density at 25°C (g/mL)	1.0932
Elongation at break (%)	140
Functionality	2
Refractive Index at 25°C	1.485
Surface Tension at 20°C (mN/m)	40
Tensile Strength (MPa)	33
Tg (°C), by DSC	40
Viscosity at 60°C (mPa.s)	3,000
Young Modulus (MPa)	703

Shelf life

Store in the original, closed container in a dry, cool (<38°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; avoid storage under an oxygen-free atmosphere.

Storage

See SDS for Storage Considerations

Health and safety

See SDS for Health & Safety Considerations



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