

TECHNICAL DATA SHEET

CN9062

Dual Cure Urethane Acrylate Oligomer

DESCRIPTION

CN9062 is a highly functional urethane acrylate that has applicability in dual cure systems. CN9062 produces hard, scratch resistance coatings. The oligomer has a hydroxyl value of 85 mg KOH /g, which allows for UV/EB and alternative curing mechanisms.



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
Viscosity at 25°C (mPa.s or cPs)	29000
Density at 25°C (g/mL)	1.0932
Refractive Index at 25°C	1.4827

CURED PROPERTIES

Young Modulus (MPa)	814
Elongation at break (%)	3
Tensile Strength (MPa)	17

PRODUCT PERFORMANCE

Hardness
Stain Resistance
Weatherability
Abrasion Resistance
Chemical Resistance
Scratch Resistance
Moisture Resistance
Corrosion Resistance

SPECIAL FEATURE

Dual cure

SUGGESTED APPLICATIONS

Conformal coatings
Flexographic inks
Inkjet inks
Metal coatings
Plastic coatings
Screen inks
Wood coatings

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