

TECHNICAL DATA SHEET

CN3100

Low Viscosity Oligomer

DESCRIPTION

CN3100 is a low viscosity oligomer that features high elongation, good chemical resistance, and hydroxyl functionality. CN3100 is used in adhesives, inks 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
Viscosity at 25°C (mPa.s or cPs)	370
Density at 25°C (g/mL)	1.1584
Refractive Index at 25°C	1.521
Functionality	1
Color (Pt/Co or APHA)	<250
Color (Gd)	1

CURED PROPERTIES

Tg (°C), by DSC	-94
Young Modulus (MPa)	68
Elongation at break (%)	110
Tensile Strength (MPa)	6

PRODUCT PERFORMANCE

Flexibility
Wood Adhesion
Metal Adhesion
Corrosion Resistance
Shrinkage
Chemical Resistance
ABS/PC Adhesion
PVC/PS Adhesion
Moisture Resistance

SUGGESTED APPLICATIONS

Adhesives & sealants
Inkjet inks
Metal coatings