

TECHNICAL DATA SHEET

CN2920

Aliphatic Urethane Acrylate Oligomer

DESCRIPTION

CN2920 is an oligomer developed for UV/EB curable inks, coatings, and adhesives. CN2920 features excellent hardness and weatherability.



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
Density at 25°C (g/mL)	1.1052
Refractive Index at 25°C	1.48
Functionality	2
Color (Pt/Co or APHA)	<100

CURED PROPERTIES

Tg (°C), by DSC	59
Young Modulus (MPa)	758
Elongation at break (%)	7
Tensile Strength (MPa)	621

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Adhesives & sealants
Electronics
Inkjet inks
Metal coatings
Screen inks