

TECHNICAL DATA SHEET

CN929

Aliphatic Trifunctional Urethane Acrylate

DESCRIPTION

CN929 is a trifunctional aliphatic polyester oligomer developed for use in UV and EB cured inks and coatings. Weatherability, flexibility, low viscosity, and fast cure are among the key attributes of CN929.



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)	1.1233
Refractive Index at 25°C	1.491
Functionality	3
Color (Pt/Co or APHA)	<250

CURED PROPERTIES

Tg (°C), by DSC	17
Young Modulus (MPa)	49
Elongation at break (%)	60
Tensile Strength (MPa)	12

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Adhesives & sealants
Flexographic inks
Inkjet inks
Offset inks
Overprint varnishes