

## TECHNICAL DATA SHEET

# CN959

## Aliphatic Urethane Diacrylate Oligomer with Acrylate Monomer Diluent

### DESCRIPTION

CN959 is a difunctional aliphatic urethane oligomer that provides excellent performance in coatings, overprint varnishes, and screen inks. It is non-yellowing and demonstrates good solvent resistance. CN959 contains approximately 30% acrylate monomer.



### 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)	<250
Density at 25°C (g/mL)	1.0932
Refractive Index at 25°C	1.486

### CURED PROPERTIES

Tg (°C), by DSC	20
Elongation at break (%)	180
Tensile Strength (MPa)	15
Young Modulus (MPa)	70

### PRODUCT PERFORMANCE

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

### SUGGESTED APPLICATIONS

Electronics  
Inkjet inks  
Screen inks  
Wood coatings

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