

## TECHNICAL DATA SHEET

# CN964

## Aliphatic Urethane Acrylate

### DESCRIPTION

CN964 is an aliphatic polyester based urethane diacrylate oligomer. It is a resilient oligomer offering good 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 |
| Functionality            | 2            |
| Color (Pt/Co or APHA)    | <100         |
| Density at 25°C (g/mL)   | 1.1042       |
| Refractive Index at 25°C | 1.485        |

### CURED PROPERTIES

|                         |     |
|-------------------------|-----|
| Tg (°C), by DSC         | -24 |
| Elongation at break (%) | 98  |
| Tensile Strength (MPa)  | 23  |
| Young Modulus (MPa)     | 634 |

### PRODUCT PERFORMANCE

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

### SUGGESTED APPLICATIONS

|                      |
|----------------------|
| 3D printing          |
| Adhesives & sealants |
| Electronics          |
| Flexographic inks    |
| Inkjet inks          |
| Screen inks          |
| Wood coatings        |

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