

TECHNICAL DATA SHEET

CN972

Aromatic Urethane Acrylate

DESCRIPTION

CN972 is an aromatic polyether based urethane triacrylate oligomer. It is a flexible oligomer.



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 | 3 |
| Color (Pt/Co or APHA) | <100 |
| Density at 25°C (g/mL) | 1.0551 |
| Refractive Index at 25°C | 1.4811 |

CURED PROPERTIES

| | |
|-------------------------|-----|
| Tg (°C), by DSC | -47 |
| Elongation at break (%) | 17 |
| Tensile Strength (MPa) | 1 |
| Young Modulus (MPa) | 7 |

PRODUCT PERFORMANCE

| |
|----------------------|
| Flexibility |
| Shrinkage |
| Wood Adhesion |
| Pigment Wetting |
| Metal Adhesion |
| Corrosion Resistance |

SUGGESTED APPLICATIONS

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|-------------------------------------|
| Adhesives & sealants |
| Electrical potting & encapsulation |
| Electronics |
| Flexographic inks |
| Industrial flooring & waterproofing |
| Inkjet inks |
| Metal coatings |
| Overprint varnishes |
| Wood coatings |

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