

## TECHNICAL DATA SHEET

### CN973H85

Aromatic Urethane Acrylate blended with EOEOEA (SR256)

#### DESCRIPTION

CN973H85 is an aromatic polyester based urethane diacrylate oligomer blended with 15% SR256, 2(2-ethoxyethoxy) ethyl acrylate. It is a highly 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 |
| Density at 25°C (g/mL)   | 1.0741       |
| Refractive Index at 25°C | 1.4784       |
| Functionality            | 3            |
| Color (Pt/Co or APHA)    | <100         |

#### CURED PROPERTIES

|                         |     |
|-------------------------|-----|
| Tg (°C), by DSC         | -36 |
| Young Modulus (MPa)     | 2   |
| Elongation at break (%) | 122 |
| Tensile Strength (MPa)  | 1   |

#### PRODUCT PERFORMANCE

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

#### SUGGESTED APPLICATIONS

Adhesives & sealants  
Electronics  
Flexographic inks  
Inkjet inks  
Metal coatings  
Overprint varnishes  
Plastic coatings  
Wood coatings

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