

## TECHNICAL DATA SHEET

# CN990

## Siliconized Urethane Acrylate Oligomer

### DESCRIPTION

CN990 is an aliphatic urethane acrylate oligomer containing bound silicone for improved slip properties. UV and EB cured coatings based on CN990 are characterized by low odor, good clarity, flexibility, and reduced coefficient of friction.



### 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
Density at 25°C (g/mL)	1.0461
Refractive Index at 25°C	1.469
Surface Tension at 20°C (mN/m)	22
Color (Pt/Co or APHA)	<200

### CURED PROPERTIES

Young Modulus (MPa)	6
Elongation at break (%)	57
Tensile Strength (MPa)	3
Tg (°C), by DSC	-37

### PRODUCT PERFORMANCE

Shrinkage  
Flexibility  
Stain Resistance  
Wood Adhesion  
Corrosion Resistance  
Moisture Resistance  
Weatherability

### SPECIAL FEATURE

Low odor

### SUGGESTED APPLICATIONS

Electronics  
Flexographic inks  
Inkjet inks  
Metal coatings  
Overprint varnishes

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