

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

CURED PROPERTIES

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

PRODUCT PERFORMANCE

Shrinkage
Wood Adhesion
Flexibility
Stain Resistance
Weatherability
Moisture Resistance
Corrosion Resistance

SPECIAL FEATURE

Low odor

SUGGESTED APPLICATIONS

Electronics
Flexographic inks
Inkjet inks
Metal coatings
Overprint varnishes

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