

TECHNICAL DATA SHEET

CN309

Hydrophobic Acrylate Ester

DESCRIPTION

CN309 is comprised of an acrylate ester that derives from an aliphatic hydrophobic backbone. The oligomer possesses good resistance to water, both liquid and vapor, and to various chemicals. Upon crosslinking the CN309 will have a low Tg, low crosslink density, and will be flexible.



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)	<500
Viscosity at 25°C (mPa.s or cPs)	150
Density at 25°C (g/mL)	0.9227
Refractive Index at 25°C	1.47
Surface Tension at 20°C (mN/m)	26

CURED PROPERTIES

Tg (°C), by DSC	-30
Young Modulus (MPa)	23
Elongation at break (%)	5
Tensile Strength (MPa)	1

PRODUCT PERFORMANCE

Moisture Resistance
Wood Adhesion
Flexibility
Chemical Resistance
Corrosion Resistance
ABS/PC Adhesion
PVC/PS Adhesion

SPECIAL FEATURE

Hydrophobic

SUGGESTED APPLICATIONS

Adhesives & sealants
Conformal coatings
Electrical potting & encapsulation
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Overprint varnishes
Screen inks
Wood coatings

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