

TECHNICAL DATA SHEET

CN307

Hydrophobic Acrylate Ester

DESCRIPTION

CN307 demonstrates excellent flexibility, water resistance and chemical resistance. It is used in UV/EB-coatings, electronics, and photopolymers. CN307 is based on high vinyl polybutadiene and may be incorporated into peroxide cured natural and synthetic rubber systems, where it improves mechanical and performance properties.



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
Viscosity at 25°C (mPa.s or cPs)	8000
Density at 25°C (g/mL)	0.9528
Refractive Index at 25°C	1.5
Surface Tension at 20°C (mN/m)	33
Functionality	2
Color (Gd)	1

CURED PROPERTIES

Tg (°C), by DSC	-34
Young Modulus (MPa)	1
Elongation at break (%)	43

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Hydrophobic

SUGGESTED APPLICATIONS

Adhesives & sealants
Conformal coatings
Electrical potting & encapsulation
Electronics
Rubber manufacturing

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