

HYDROPHOBIC ACRYLATE ESTER

Description

CN307 is a hydrophobic acrylate ester. 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.

Product Highlights

Compatible in most hydrocarbon elastomers
Excellent flexibility
Hydrophobic
Low viscosity
Vinyl and acrylate functionalities

Product Performance

Good adhesion
Good chemical resistance
Good water resistance
High flexibility
High impact strength
Low shrinkage

Suggested Applications

Adhesives
Coatings
Coatings, conformal
Electronics
Rubber & Plastics
Rubber & Plastics, radiator hose
Rubber & Plastics, rolls
Sealants

CN307

Typical Physical And Chemical Properties

Appearance	Clear liquid
Color, Gardner	1
Density, lb/gal	7.94
Elongation, %	43
Functionality	2
Modulus, psi. @1%	200
Refractive index, @ 25° C	1.5
Specific gravity @ 25° C	0.95
Surface tension, dynes/cm	32.8
Tensile strength, psi.	6
Tg, °C (by DMA – Peak of Tan Delta)	-5
Viscosity, cP @ 25° C	8,000
Viscosity, cP @ 60° C	750

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