SARTOMER®

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.

## LIQUID PROPERTIES

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

## 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

## 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

**Arkema Inc**
502 Thomas Jones Way
Exton, PA 19341 – AMERICA
www.Sartomer.arkema.com

**Arkema France**
420, rue d'Estienne d'Orves
92705 Colombes Cedex
France
www.Sartomer.arkema.com

COPYRIGHT Olivia Brabbs



Arkema France, a French société anonyme registered at the Trade and Companies
www.arkema.com

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on
https://www.arkema.com/global/en/products/product-safety/disclaimer/

ARKEMA