

TECHNICAL DATA SHEET

CN9031

Aliphatic Urethane Acrylate Oligomer

DESCRIPTION

CN9031 is a urethane acrylate oligomer that exhibits a combination of high elongation with good weatherability and moisture resistance.



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
Refractive Index at 25°C	1.472
Density at 25°C (g/mL)	1.033
Color (Pt/Co or APHA)	50

CURED PROPERTIES

Elongation at break (%)	270
Tensile Strength (MPa)	1
Young Modulus (MPa)	2

PRODUCT PERFORMANCE

Flexibility
Shrinkage
Weatherability
Wood Adhesion
ABS/PC Adhesion
PVC/PS Adhesion
PE/PET/PP/PMMA Adhesion
Metal Adhesion
Corrosion Resistance
Moisture Resistance

SUGGESTED APPLICATIONS

3D printing
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Screen inks
Wood coatings

Arkema Inc  
502 Thomas Jones Way  
Exton, PA 19341 – AMERICA  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)

Arkema France  
420, rue d'Estienne d'Orves  
92705 Colombes Cedex  
France  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)