

TECHNICAL DATA SHEET

CN9013

Aliphatic Urethane Acrylate Oligomer

DESCRIPTION

CN9013 is a multifunctional urethane acrylate oligomer that imparts chemical resistance, fast cure response, weatherability, low shrinkage, and abrasion resistance to radiation-cure coatings.



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	9
Density at 25°C (g/mL)	1.1945
Refractive Index at 25°C	1.498
Color (Gd)	1
Color (Pt/Co or APHA)	<100

CURED PROPERTIES

Young Modulus (MPa)	10
Elongation at break (%)	2
Tensile Strength (MPa)	87
Tg (°C), by DSC	102

PRODUCT PERFORMANCE

Hardness
Stain Resistance
Chemical Resistance
Weatherability
Abrasion Resistance
Scratch Resistance
Moisture Resistance
Corrosion Resistance

SPECIAL FEATURE

High functionality

SUGGESTED APPLICATIONS

Adhesives & sealants
Metal coatings
Wood coatings

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