

TECHNICAL DATA SHEET

CN9029

Aliphatic Urethane Acrylate

DESCRIPTION

CN9029 is a very high functionality urethane oligomer that imparts excellent hardness, abrasion resistance, and weatherability to UV/-EB coatings and inks. CN9029 provides good adhesion to challenging substrates, e.g., glass, plastics, and metals.



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	15+
Color (Pt/Co or APHA)	<150
Density at 25°C (g/mL)	1.1975
Refractive Index at 25°C	1.491

CURED PROPERTIES

Tg (°C) by DMA Tan delta	73
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PRODUCT PERFORMANCE

Hardness
Weatherability
Stain Resistance
Wood Adhesion
ABS/PC Adhesion
Metal Adhesion
PVC/PS Adhesion
Abrasion Resistance
Chemical Resistance
Moisture Resistance
Corrosion Resistance
PE/PET/PP/PMMA Adhesion
Shrinkage

SPECIAL FEATURE

Adhesion promoter

SUGGESTED APPLICATIONS

Electronics
Metal coatings
Plastic coatings
Wood coatings

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

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80
www.Sartomer.arkema.com