

TECHNICAL DATA SHEET

CN9026

Aliphatic Urethane Acrylate

DESCRIPTION

CN9026 is a highly functional aliphatic urethane acrylate designed for use in hard coats or where additional cross linking is necessary. The oligomer offers lower crosslink density than other highly functional urethane acrylates and is therefore more flexible at higher coat weights. CN9026 has good hardness and scratch resistance.



LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	6
Color (Pt/Co or APHA)	<100
Color (Gd)	1
Density at 25°C (g/mL)	1.1333
Refractive Index at 25°C	1.48
Surface Tension at 20°C (mN/m)	37

CURED PROPERTIES

Elongation at break (%)	4
Tensile Strength (MPa)	16
Young Modulus (MPa)	469

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

High functionality

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Metal coatings
Screen inks

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

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