

TECHNICAL DATA SHEET

CN9021

Aliphatic Urethane Acrylate Oligomer

DESCRIPTION

CN9021 has been developed for UV/EB-cured laminating and pressure-sensitive adhesives. CN9021 imparts excellent adhesion, flexibility, and water resistance to laminating and pressure-sensitive adhesive formulations - especially those for glass.



Superior weathering performance



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
Viscosity at 25°C (mPa.s or cPs)	32000
Density at 25°C (g/mL)	0.9839
Refractive Index at 25°C	1.455
Surface Tension at 20°C (mN/m)	30.5
Functionality	2
Color (Gd)	<0.2

CURED PROPERTIES

Tg (°C), by DSC	-54
Young Modulus (MPa)	1
Elongation at break (%)	1141
Tensile Strength (MPa)	2

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Adhesion promoter

SUGGESTED APPLICATIONS

Adhesives & sealants
Electronics
Inkjet inks

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