

TECHNICAL DATA SHEET

CN2003

Modified Epoxy Acrylate Oligomer

DESCRIPTION

CN2003 is a modified epoxy acrylate oligomer that imparts flexibility, excellent adhesion, and low shrinkage to UV/EB-curable coating, ink, and adhesive applications. CN2003 can be used on a variety of substrates, including plastics, metals, and wood.



SHELF LIFE

Store in the original, closed container in a dry, cool (<38°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
Color (Gd)	<4
Density at 25°C (g/mL)	1.1835
Refractive Index at 25°C	1.5304

CURED PROPERTIES

Elongation at break (%)	70
Tg (°C), by DSC	58
Tensile Strength (MPa)	6
Young Modulus (MPa)	97

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Adhesion promoter

SUGGESTED APPLICATIONS

Metal coatings
Screen inks
Wood coatings

Arkema Inc
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