

TECHNICAL DATA SHEET

CN2271 E

Polyester Acrylate Oligomer

DESCRIPTION

CN2271E is designed to provide a higher UV cure rate than CN2270. Use of this oligomer with epoxy and urethane acrylates results in inks which behave thixotropically. CN2271E is ideal for high TiO₂ dispersions. It can produce Newtonian like inks. This oligomer is perfect for diluting epoxy acrylates, improving adhesion, and increasing the cure rate.



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	2
Color (Pt/Co or APHA)	<250
Viscosity at 25°C (mPa.s or cPs)	65
Density at 25°C (g/mL)	1.023
Refractive Index at 25°C	1.451

CURED PROPERTIES

Tg (°C), by DSC	42
Young Modulus (MPa)	17
Elongation at break (%)	16
Tensile Strength (MPa)	2

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Adhesion promoter

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Offset inks

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