

## 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 TiO<sub>2</sub> 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
Density at 25°C (g/mL)	1.023
Refractive Index at 25°C	1.451
Viscosity at 25°C (mPa.s or cPs)	65

##### 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  
Shrinkage  
Stain Resistance  
Chemical Resistance  
Moisture Resistance  
PE/PET/PP/PMMA Adhesion

##### SPECIAL FEATURE

Adhesion promoter

##### SUGGESTED APPLICATIONS

Flexographic inks  
Inkjet inks  
Offset inks

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