

TECHNICAL DATA SHEET

CN2270

Polyester Acrylate Oligomer

DESCRIPTION

CN2270 provides good pigment wetting, low viscosity and adhesion to polyolefins and vinyl substrates. When used in UV curable inks and clear coatings, CN2270 should be accompanied by a higher viscosity resin, such as CN119 or CN293, to improve three-roll mill pigment dispersing.



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)	<150
Density at 25°C (g/mL)	1.019
Refractive Index at 25°C	1.445
Viscosity at 25°C (mPa.s or cPs)	35
Surface Tension at 20°C (mN/m)	30.1

CURED PROPERTIES

Tg (°C), by DSC	36
Young Modulus (MPa)	18
Elongation at break (%)	15
Tensile Strength (MPa)	2

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Adhesion promoter

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Overprint varnishes

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