

TECHNICAL DATA SHEET

CN2295

Polyester Acrylate Oligomer

DESCRIPTION

CN2295 is a hexafunctional polyester acrylate oligomer developed for energy-curable ink systems. CN2295 imparts low water pickup, good flow, and good pigment wetting to litho or offset inks. CN2295 can be used in various energy-curable formulations to increase hydrophobicity.



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	6
Refractive Index at 25°C	1.486
Density at 25°C (g/mL)	1.0832
Color (Gd)	5

CURED PROPERTIES

Elongation at break (%)	6
Tg (°C), by DSC	27
Young Modulus (MPa)	1117
Tensile Strength (MPa)	36

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

High functionality

SUGGESTED APPLICATIONS

Adhesives & sealants
Flexographic inks
Inkjet inks
Offset inks

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