

TECHNICAL DATA SHEET

CN292

Polyester Acrylate

DESCRIPTION

CN292 is a multifunctional, low viscosity polyester acrylate designed as a general purpose fast reacting oligomer. Its excellent wetting properties make CN292 suitable for inks, particularly flexographic inks.



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
Viscosity at 25°C (mPa.s or cPs)	525
Density at 25°C (g/mL)	1.1072
Refractive Index at 25°C	1.465
Surface Tension at 20°C (mN/m)	33.5
Functionality	4
Color (Pt/Co or APHA)	<200

CURED PROPERTIES

Tg (°C), by DSC	1
Young Modulus (MPa)	393
Elongation at break (%)	5
Tensile Strength (MPa)	26

PRODUCT PERFORMANCE

Hardness
Scratch Resistance
Abrasion Resistance
Weatherability
Stain Resistance
Chemical Resistance
Moisture Resistance
Corrosion Resistance

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Offset inks
Overprint varnishes
Wood coatings

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