

CN2302

Polyester Acrylate Oligomer

Description

CN2302 is a hyperbranched polyester acrylate oligomer designed with low viscosity and high functionality. CN2302 possesses the lowest viscosity of Sartomer's hyperbranched polyester acrylates, along with very fast surface cure. CN2302 is the oligomer of choice for applications requiring low viscosity.

Product performance

Chemical Resistance
Hardness
Abrasion Resistance
Scratch Resistance
Stain Resistance

Suggested applications

Electronics
Flexographic inks
Inkjet inks
Metal coatings
Screen inks

Special features

High functionality

Typical values

Appearance	Clear liquid
Color (Pt/Co or APHA)	<300
Density at 25°C (g/mL)	1.1333
Elongation at break (%)	8
Functionality	15+
Refractive Index at 25°C	1.473
Surface Tension at 20°C (mN/m)	38
Tensile Strength (MPa)	12
Tg (°C), by DSC	74
Viscosity at 25°C (mPa.s or cPs)	300
Young Modulus (MPa)	379

Shelf life

Store in the original, closed container in a dry, cool (<38°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; avoid storage under an oxygen-free atmosphere.

Storage

See SDS for Storage Considerations

Health and safety

See SDS for Health & Safety Considerations



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