SARTOMER®

TECHNICAL DATA SHEET

CN299

Acrylated Polyester Oligomer

DESCRIPTION

CN299 is a tetrafunctional oligomer used in UV-curable coatings and inks including flexographic, screen, and lithographic inks.

LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	4
Color (Gd)	12
Density at 25°C (g/mL)	1.0952
Refractive Index at 25°C	1.503

CURED PROPERTIES

Tg (°C), by DSC	15
Young Modulus (MPa)	155
Elongation at break (%)	30
Tensile Strength (MPa)	20

PRODUCT PERFORMANCE

Wood Adhesion
Flexibility
Weatherability
Stain Resistance
Scratch Resistance
Abrasion Resistance
Chemical Resistance
Moisture Resistance
Corrosion Resistance

SUGGESTED APPLICATIONS

Electronics
Flexographic inks
Inkjet inks
Metal coatings
Screen 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

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