

TECHNICAL DATA SHEET

CN2285

Acrylic Oligomer

DESCRIPTION

CN2285 is an acrylic oligomer especially developed for UV/EB-cure thermoforming applications. CN2285 is a low viscosity, high refractive index product that is also suited to paper and plastics coatings and 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)	350
Density at 25°C (g/mL)	1.1634
Refractive Index at 25°C	1.527
Surface Tension at 20°C (mN/m)	40
Functionality	1
Color (Pt/Co or APHA)	150

CURED PROPERTIES

Tg (°C), by DSC	32
Young Modulus (MPa)	72
Elongation at break (%)	121
Tensile Strength (MPa)	15

PRODUCT PERFORMANCE

Shrinkage
Flexibility
Wood Adhesion
ABS/PC Adhesion
Metal Adhesion
PVC/PS Adhesion
PE/PET/PP/PMMA Adhesion

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Overprint varnishes
Screen inks

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