

TECHNICAL DATA SHEET

CN2283

Polyester Acrylate

DESCRIPTION

CN2283 is a polyester acrylate that has utility in a number of different applications. The oligomer exhibits good cure response coupled with flexibility and 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
Viscosity at 25°C (mPa.s or cPs)	105
Density at 25°C (g/mL)	1.0621
Refractive Index at 25°C	1.46
Surface Tension at 20°C (mN/m)	36
Functionality	2
Color (Pt/Co or APHA)	50

CURED PROPERTIES

Young Modulus (MPa)	22
Elongation at break (%)	13
Tensile Strength (MPa)	2

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Low odor

SUGGESTED APPLICATIONS

Electronics
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Overprint varnishes
Screen inks
Wood coatings

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