

TECHNICAL DATA SHEET

CN2261

Polyester Acrylate Oligomer

DESCRIPTION

CN2261 is an oligomer developed for UV curable wood coating applications, where hardness and abrasion resistance are required. CN-2261 demonstrates excellent cure rates.



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
Functionality	3
Color (Pt/Co or APHA)	<200
Density at 25°C (g/mL)	1.1434
Refractive Index at 25°C	1.512
Surface Tension at 20°C (mN/m)	37.1

CURED PROPERTIES

Tg (°C), by DSC	56
Young Modulus (MPa)	1868
Elongation at break (%)	6
Tensile Strength (MPa)	73

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Flexographic inks
Overprint varnishes
Wood coatings

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