

TECHNICAL DATA SHEET

CN146

Acrylic Oligomer

DESCRIPTION

CN146 is an adhesion promoting acrylic oligomer. CN146 is used in free radical-curable applications, including adhesives, coatings, solder masks, and photoresists. This product tends to crystallize at or near room temperature.



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)	3600
Density at 25°C (g/mL)	1.2647
Refractive Index at 25°C	1.524
Functionality	1
Color (Pt/Co or APHA)	<100
Color (Gd)	1

CURED PROPERTIES

Tg (°C), by DSC	44
Young Modulus (MPa)	276
Elongation at break (%)	3
Tensile Strength (MPa)	14

PRODUCT PERFORMANCE

Wood Adhesion
Metal Adhesion
ABS/PC Adhesion
PVC/PS Adhesion
PE/PET/PP/PMMA Adhesion
Hardness
Scratch Resistance
Chemical Resistance

SPECIAL FEATURE

Adhesion promoter

SUGGESTED APPLICATIONS

Adhesives & sealants
Electronics/Flexographic inks
Inkjet inks/Metal coatings
Plastic coatings/Screen inks

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