

TECHNICAL DATA SHEET

CN117

Modified Epoxy Acrylate

DESCRIPTION

CN117 is a modified epoxy acrylate that offers the fast cure speed and chemical resistance typical of epoxy acrylates, while imparting toughness and flexibility to cured lithographic and screen inks and paper, plastic, and wood coatings. CN117 also imparts desirable properties to laminating adhesives.



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	2
Refractive Index at 25°C	1.524
Density at 25°C (g/mL)	1.1955
Color (Pt/Co or APHA)	<315

CURED PROPERTIES

Elongation at break (%)	6
Tg (°C), by DSC	51
Young Modulus (MPa)	1754
Tensile Strength (MPa)	37

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Adhesives & sealants
Flexographic inks
Offset inks
Overprint varnishes
Wood coatings

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