

TECHNICAL DATA SHEET

CN118

Modified Epoxy Acrylate

DESCRIPTION

CN118 is a high molecular weight, acid modified epoxy acrylate. It allows excellent pigment wetting, good chemical and water resistance, and high gloss. It is recommended for use in screen and lithographic inks, overprint varnishes, and coatings for paper, metal, and plastics.



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
Color (Gd)	3
Density at 25°C (g/mL)	1.1383
Refractive Index at 25°C	1.529

CURED PROPERTIES

Tg (°C), by DSC	48
Young Modulus (MPa)	1403
Elongation at break (%)	5
Tensile Strength (MPa)	50

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Adhesives & sealants
Flexographic inks
Metal coatings
Offset inks
Overprint varnishes

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