

## 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  
Shrinkage  
Flexibility  
ABS/PC Adhesion  
PVC/PS Adhesion  
Stain Resistance  
Scratch Resistance  
Abrasion Resistance  
Moisture Resistance  
Corrosion Resistance  
PE/PET/PP/PMMA Adhesion

### SUGGESTED APPLICATIONS

Adhesives & sealants  
Flexographic inks  
Metal coatings  
Offset inks  
Overprint varnishes

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