

TECHNICAL DATA SHEET

CN120C80

Epoxy Acrylate blended with TMPTA (SR351)

DESCRIPTION

CN120C80 is a difunctional bisphenol A based epoxy acrylate (CN120) blended with 20% SR351, trimethylol propane triacrylate. It provides a good balance of water properties and high reactivity. The base oligomer, CN120, offers the lowest viscosity of Sartomer's bisphenol A based epoxy acrylates.



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
Density at 25°C (g/mL)	1.1434
Refractive Index at 25°C	1.5388
Functionality	2
Color (Gd)	1

CURED PROPERTIES

Tg (°C), by DSC	80
Young Modulus (MPa)	1979
Elongation at break (%)	2
Tensile Strength (MPa)	32

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Adhesives & sealants
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Overprint varnishes
Wood coatings

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