

## TECHNICAL DATA SHEET

# CN153

## Epoxy Acrylate Oligomer

### DESCRIPTION

CN153 is an oligomer that has both acrylate and epoxy functionality on the same backbone. The epoxy ring will readily react with amines or acids. The CN153 is mainly used in systems where dual cure is necessary to achieve a thorough cure or lower shrinkage.



### 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)	1.1634
Functionality	1
Color (Gd)	<5

### CURED PROPERTIES

Tg (°C), by DSC	26
Young Modulus (MPa)	1117
Elongation at break (%)	2.7
Tensile Strength (MPa)	26

### PRODUCT PERFORMANCE

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

### SPECIAL FEATURE

Dual cure

### SUGGESTED APPLICATIONS

3D printing  
Adhesives & sealants  
Conformal coatings  
Electronics  
Flexographic inks  
Inkjet inks  
Offset inks  
Plastic coatings