

## TECHNICAL DATA SHEET

# CN146

## Acrylic Oligomer

### DESCRIPTION

CN146 is an adhesion promoting acrylic oligomer. CN146 is used in free radical-curable applications, including adhesives, coatings, solder masks, and photoresists.



### 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	1
Color (Pt/Co or APHA)	<100
Color (Gd)	1
Viscosity at 25°C (mPa.s or cPs)	3600
Density at 25°C (g/mL)	1.2647
Refractive Index at 25°C	1.524

### CURED PROPERTIES

Tg (°C), by DSC	44
Young Modulus (MPa)	276
Elongation at break (%)	3
Tensile Strength (MPa)	14

### PRODUCT PERFORMANCE

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

### SPECIAL FEATURE

Adhesion promoter

### SUGGESTED APPLICATIONS

Adhesives & sealants  
Electronics  
Flexographic inks  
Inkjet inks  
Metal coatings  
Plastic coatings  
Screen inks

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