

## TECHNICAL DATA SHEET

# CN550

## Amine-Modified Polyether Acrylate Oligomer

### DESCRIPTION

CN550 is a medium viscosity, highly reactive amine modified polyetheracrylate oligomer for use in UV and EB curing systems. CN550 can be used as the sole binder or with monomer diluents. Alternatively, CN550 can be used in combination with other oligomers.



### 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

Amine Value (mgKOH/g)	58
Appearance	Clear liquid
Viscosity at 25°C (mPa.s or cPs)	2600
Density at 25°C (g/mL)	1.1273
Refractive Index at 25°C	1.471
Functionality	4
Color (Gd)	<2

### CURED PROPERTIES

Tg (°C), by DSC	3
Young Modulus (MPa)	331
Elongation at break (%)	6
Tensile Strength (MPa)	11

### PRODUCT PERFORMANCE

Wood Adhesion  
ABS/PC Adhesion  
Metal Adhesion  
PVC/PS Adhesion  
PE/PET/PP/PMMA Adhesion  
Flexibility  
Pigment Wetting  
Moisture Resistance

### SUGGESTED APPLICATIONS

Flexographic inks  
Inkjet inks  
Overprint varnishes  
Screen inks  
Wood coatings

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