

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

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

CURED PROPERTIES

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

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Overprint varnishes
Screen inks
Wood coatings

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