

TECHNICAL DATA SHEET

CN549

Acrylic Oligomer

DESCRIPTION

CN549 is a low viscosity oligomer that demonstrates low odor, high gloss, and fast UV/EB cure response. It is especially suited to coatings, inks, and overprint varnish applications.



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	4
Color (Gd)	<2
Viscosity at 25°C (mPa.s or cPs)	350
Density at 25°C (g/mL)	1.1293
Refractive Index at 25°C	1.478
Amine Value (mgKOH/g)	44

CURED PROPERTIES

Tg (°C), by DSC	24
Young Modulus (MPa)	1276
Elongation at break (%)	4
Tensile Strength (MPa)	4

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Low odor

SUGGESTED APPLICATIONS

Adhesives & sealants
Flexographic inks
Inkjet inks
Metal coatings
Overprint varnishes
Plastic coatings
Screen inks
Wood coatings

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