

TECHNICAL DATA SHEET

CN821

Acrylic Oligomer

DESCRIPTION

CN821 is a unique acrylic oligomer that will enhance adhesion to non-porous substrates. The oligomer is very low in color, allowing it to be used on white and light colored substrates.



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	2
Color (Pt/Co or APHA)	50
Density at 25°C (g/mL)	1.013
Refractive Index at 25°C	1.47

CURED PROPERTIES

Tg (°C), by DSC	56
Young Modulus (MPa)	303
Elongation at break (%)	3
Tensile Strength (MPa)	8

PRODUCT PERFORMANCE

Wood Adhesion
Hardness
Weatherability
Moisture Resistance
Corrosion Resistance
ABS/PC Adhesion
Metal Adhesion
PVC/PS Adhesion
Scratch Resistance
Abrasion Resistance
Stain Resistance
Chemical Resistance

SPECIAL FEATURE

Low odor

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Plastic coatings
Screen inks

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