

TECHNICAL DATA SHEET

CN820

Acrylic Oligomer

DESCRIPTION

CN820 is a free radical-curable acrylic oligomer especially recommended for inks, adhesives, and coatings for difficult substrates, such as untreated polyester, polypropylene, and polystyrene.



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 (Gd)	4
Viscosity at 25°C (mPa.s or cPs)	39000
Density at 25°C (g/mL)	1.0601
Refractive Index at 25°C	1.481
Surface Tension at 20°C (mN/m)	33

CURED PROPERTIES

Tg (°C), by DSC	28
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PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

Flexographic inks
Inkjet inks
Offset inks
Overprint varnishes
Plastic coatings
Screen inks

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