

TECHNICAL DATA SHEET

CN9800US

Aliphatic Silicone Acrylate

DESCRIPTION

CN9800 is a difunctional aliphatic oligomer that is particularly recommended for UV/EB-cure formulations where good surface slip is required in the cured film.



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
Viscosity at 25°C (mPa.s or cPs)	37000
Density at 25°C (g/mL)	1.0641
Refractive Index at 25°C	1.457
Surface Tension at 20°C (mN/m)	21
Functionality	2
Color (Pt/Co or APHA)	<500

CURED PROPERTIES

Tg (°C), by DSC	-19
Young Modulus (MPa)	11
Elongation at break (%)	34
Tensile Strength (MPa)	1

PRODUCT PERFORMANCE

Shrinkage
Flexibility
Wood Adhesion
Stain Resistance
Weatherability
Moisture Resistance
Corrosion Resistance

SUGGESTED APPLICATIONS

Adhesives & sealants
Composites
Electronics
Flexographic inks
Inkjet inks
Optical fibers
Overprint varnishes

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