

TECHNICAL DATA SHEET

CN133

Low Viscosity Triacrylate Oligomer

DESCRIPTION

CN133 is a low viscosity aliphatic oligomer that is fast curing, chemical resistant, and produces strong, flexible films. Recommended for applications where good film strength and hardness are required.



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	3
Color (Gd)	<5
Viscosity at 25°C (mPa.s or cPs)	18000
Density at 25°C (g/mL)	1.2035
Refractive Index at 25°C	1.491

CURED PROPERTIES

Tg (°C), by DSC	60
Young Modulus (MPa)	4178
Elongation at break (%)	2.8
Tensile Strength (MPa)	30
Tg (°C) by DMA Tan delta	76

PRODUCT PERFORMANCE

Hardness
Weatherability
Flexibility
Wood Adhesion
ABS/PC Adhesion
Metal Adhesion
PVC/PS Adhesion
Scratch Resistance
Abrasion Resistance
Chemical Resistance
PE/PET/PP/PMMA Adhesion
Pigment Wetting

SUGGESTED APPLICATIONS

Electronics
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Overprint varnishes
Screen inks
Wood coatings

Arkema Inc
502 Thomas Jones Way
Exton, PA 19341 – AMERICA
www.Sartomer.arkema.com

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80
www.Sartomer.arkema.com