

## TECHNICAL DATA SHEET

# CN9600

## Structured Urethane Acrylate

### DESCRIPTION

CN9600 is a structured urethane acrylate containing terminal and pendant acrylate functionality. CN9600 demonstrates good hydrophobicity, solvent resistance and flexibility in radiation curable ink and coating applications. This urethane material has good lightfastness as well as good adhesion.



### 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
Density at 25°C (g/mL)	1.104
Viscosity at 25°C (mPa.s or cPs)	28250
Refractive Index at 25°C	1.488

### CURED PROPERTIES

Elongation at break (%)	86
Young Modulus (MPa)	140.5
Tensile Strength (MPa)	15.92
Tg (°C) by DMA Tan delta	46

### PRODUCT PERFORMANCE

Flexibility

### SUGGESTED APPLICATIONS

3D printing  
Flexographic inks  
Inkjet inks  
Metal coatings  
Plastic coatings  
Wood coatings

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