

## TECHNICAL DATA SHEET

# CN2285

## Acrylic Oligomer

### DESCRIPTION

CN2285 is an acrylic oligomer especially developed for UV/EB-cure thermoforming applications. CN2285 is a low viscosity, high refractive index product that is also suited to paper and plastics coatings and inks.



### 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	1
Viscosity at 25°C (mPa.s or cPs)	350
Refractive Index at 25°C	1.527
Surface Tension at 20°C (mN/m)	40
Density at 25°C (g/mL)	1.1634
Color (Pt/Co or APHA)	150

### CURED PROPERTIES

Elongation at break (%)	121
Tg (°C), by DSC	32
Young Modulus (MPa)	72
Tensile Strength (MPa)	15

### PRODUCT PERFORMANCE

Flexibility  
Shrinkage  
Wood Adhesion  
ABS/PC Adhesion  
Metal Adhesion  
PVC/PS Adhesion  
PE/PET/PP/PMMA Adhesion

### SUGGESTED APPLICATIONS

Flexographic inks  
Inkjet inks  
Overprint varnishes  
Screen inks

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