

## TECHNICAL DATA SHEET

# CN9070

## Aliphatic Urethane Acrylate Oligomer

### DESCRIPTION

CN9070 is a hydrophobic oligomer based off of an aliphatic hydrophobic backbone. The oligomer possesses good resistance to water, both liquid and vapor, and to various chemicals. Upon crosslinking, the CN9070 will have a low Tg, low crosslink density, and will be flexible.



### 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)	0.8966
Refractive Index at 25°C	1.472
Surface Tension at 20°C (mN/m)	30
Color (Pt/Co or APHA)	<50

### CURED PROPERTIES

Young Modulus (MPa)	1
Elongation at break (%)	65
Tg (°C), by DSC	-48

### PRODUCT PERFORMANCE

Shrinkage  
Flexibility  
Weatherability  
ABS/PC Adhesion  
Metal Adhesion  
PVC/PS Adhesion  
PE/PET/PP/PMMA Adhesion  
Corrosion Resistance  
Wood Adhesion  
Moisture Resistance

### SPECIAL FEATURE

Hydrophobic

### SUGGESTED APPLICATIONS

Adhesives & sealants  
Electronics

**Arkema Inc**  
502 Thomas Jones Way  
Exton, PA 19341 – AMERICA  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)

**Arkema France**  
420, rue d'Estienne d'Orves  
92705 Colombes Cedex  
France  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)