

## TECHNICAL DATA SHEET

# CN963A80

Aliphatic Urethane Acrylate blended with TPGDA (SR306)

### DESCRIPTION

CN963A80 is an aliphatic polyester based urethane diacrylate oligomer blended with 20% SR306, tripropylene glycol diacrylate. It is a hard oligomer offering good weatherability.



### 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
Color (Pt/Co or APHA)	<100
Density at 25°C (g/mL)	1.0812
Refractive Index at 25°C	1.482

### CURED PROPERTIES

Tg (°C), by DSC	48
Elongation at break (%)	6
Tensile Strength (MPa)	50
Young Modulus (MPa)	1434

### PRODUCT PERFORMANCE

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

### SUGGESTED APPLICATIONS

Adhesives & sealants  
Electronics  
Flexographic inks  
Inkjet inks  
Metal coatings  
Screen inks  
Wood coatings

**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)