

# CAST URETHANE MATERIAL SPECIFICATIONS

## U0080DC-L

### Highlights

- Water clear
- Tintable
- Excellent impact strength
- Good weatherability

### Applications

- Larger parts
- Complex Geometries

### TYPICAL PHYSICAL PROPERTIES

Property	Test Method	English	Metric
Color/Appearance	Visual	Clear	Clear
Density	ASTM D792	0.0397 lb/in <sup>3</sup>	1.10 g/cc
Elongation at Break	ASTM D638	20 %	20 %
Flexural Modulus	ASTM D790	300,000 psi	2,070 MPa
Flexural Strength	ASTM D790	11,200 psi	77 MPa
Heat Deflection Temp. @ 66 psi	ASTM D648	175 °F	79 °C
Izod Impact Strength, (method A, notched)	ASTM D256	1.10 ft-lb/in	58 J/m
Shore D Hardness	ASTM D2240	84 D	84 D
Tensile Modulus	ASTM D638	270,000 psi	1,860 MPa
Tensile Strength	ASTM D638	8,300 psi	57 MPa

- Consult a project engineer to determine the best clear material for your application.

Custom formulations, fillers such as Teflon and Aluminum powder, and additional post curing techniques may be used to enhance urethane material properties. For further information on additives and custom formulations, please contact your Solid Concepts Project Engineer. The material properties provided herein are for reference purposes only. Actual values may vary significantly as they are dramatically affected by part geometry and color pigmentation. Specifications are subject to change with out notice.