

CAST URETHANE MATERIAL SPECIFICATIONS

AFP3320

Highlights

- RoHS compliant.
- High temperature cast urethane resin.
- Tough, impact resistant.
- Excellent physical properties.
- Shore 80 D.

Applications

- Ideal for high heat applications.
- HVAC.
- Underhood applications.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	English	Metric
Color/Appearance	Visual	Translucent Amber	Translucent Amber
Hardness (Shore D)	ASTM D-2240	80 ± 5	80 ± 5
Elongation at Break	ASTM D638	10%	10%
Flexural Modulus	ASTM D790	325,000 psi	2,240 MPa
Flexural Strength	ASTM D790	16,000 psi	110 MPa
Heat Deflection Temp (264 psi)	ASTM D-648	346°F	174°C
Izod Impact Strength (method A, notched)	ASTM D256	1.2 ft-lb/in	33 g/cc
Tensile Strength	ASTM D638	10,500 psi	72 MPa

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.

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