



# AFP3320

## URETHANE CASTING MATERIAL SPECIFICATIONS

### Highlights

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

### Applications

- Ideal for high heat applications
- HVAC
- Underhood applications

### TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
<b>Color/Appearance</b>	Visual	Translucent Amber	Translucent Amber
<b>Shore D Hardness</b>	ASTM D2240	80 ± 5	80 ± 5
<b>Elongation at Break</b>	ASTM D638	10%	10%
<b>Flexural Modulus</b>	ASTM D790	325,000 psi	2,240 MPa
<b>Flexural Strength</b>	ASTM D790	15,000 psi	103 MPa
<b>Heat Deflection Temperature @ 264 psi</b>	ASTM D648	346°F	174°C
<b>Izod Impact Strength (method A, notched)</b>	ASTM D256	1.2 ft-lb/in	33 J/m
<b>Tensile Strength</b>	ASTM D638	10,500 psi	72 MPa
<b>Specific Gravity/Density</b>	ASTM D412	0.04 lb/in <sup>3</sup>	1.11 g/cc

The information presented represents typical values intended for reference and comparison purposes only. It should not be used for design specifications or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, color etc. Actual values will vary with build conditions. Product specifications are subject to change without notice.

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