



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
Color/Appearance	Visual	Translucent Amber	Translucent Amber
Shore D Hardness	ASTM D2240	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 Temperature @ 264 psi	ASTM D648	346°F	174°C
Izod Impact Strength (method A, notched)	ASTM D256	1.2 ft-lb/in	33 J/m
Tensile Strength	ASTM D638	10,500 psi	72 MPa
Specific Gravity/Density	ASTM D412	0.04 lb/in ³	1.20 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.

The performance characteristics of these materials may vary according to application, operating conditions, or end use. Each user is responsible for determining that the material is safe, lawful, and technically suitable for the intended application. Stratasys makes no warranties of any kind, express or implied, including, but not limited to, the warranties of merchantability, fitness for a particular use, or warranty against patent infringement.