



AFP3400

URETHANE CASTING MATERIAL SPECIFICATIONS

Highlights

- Very good impact resistance

Applications

- Prototype parts having mechanical properties close to polypropylene, with features requiring superior elongation like living hinges.

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Amber	Amber
Density	ASTM D792	0.0390 lb/in ³	1.08 gm/cc
Elongation at Break	ASTM D638	90%	90%
Flexural Modulus	ASTM D790	116,091 psi	800 MPa
Flexural Strength	ASTM D790	4,896 psi	34 MPa
Glass Transition Temperature Tg (peak)	ASTM D4065	194°F - 262°F	90°C - 128°C
Shore D Hardness	ASTM D2240	70 D	70 D
Tensile Modulus	ASTM D638	113,110 psi	779 MPa
Tensile Strength	ASTM D412	5,314 psi	37 MPa

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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