



AFP3400

URETHANE CASTING MATERIAL SPECIFICATIONS

Highlights

- Very good impact resistance

Applications

- Prototype parts having mechanical properties close to polypropylene or HDPE, such as wheel wells, hoods, bumpers, fenders, strollers and infant seats

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	100%	100%
Flexural Modulus	ASTM D790	72,500 psi	500 MPa
Flexural Strength	ASTM D790	4,300 psi	30 MPa
Glass Transition Temperature E (onset)	ASTM D4065	194°F - 212°F	90°C - 100°C
Shore D Hardness	ASTM D2240	70 D	70 D
Tensile Modulus	ASTM D638	76,800 psi	530 MPa
Tensile Strength	ASTM D412	3,600 psi	25 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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