

A. Schulman POLYPUR™ FPU 1515 Thermoplastic Polyurethane Compound

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded , Polyurethane, TP

Material Notes:

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYPUR-FPU-1515-Thermoplastic-Polyurethane-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Linear Mold Shrinkage	0.00050 - 0.0010 cm/cm @Thickness 3.20 mm, Time 259000 sec	0.00050 - 0.0010 in/in @Thickness 0.126 in, Time 72.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	137 MPa	19900 psi	ASTM D638
Tensile Modulus	8.25 GPa	1200 ksi	ASTM D638
Flexural Strength	180 MPa	26100 psi	ASTM D638
Flexural Modulus	6.89 GPa	999 ksi	tangent; ASTM D790
Izod Impact, Notched	2.80 J/cm	5.25 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.0 °C	190 °F	ASTM D648

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