

A. Schulman POLYPUR™ FPU 1107 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-1107-Thermoplastic-Polyurethane-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	15 sec delay; ASTM D2240
Tensile Strength, Ultimate	27.0 MPa	3920 psi	at max load; ASTM D638
Elongation at Break	900 %	900 %	20 in/min; ASTM D412
Flexural Modulus	0.0260 GPa	3.77 ksi	1.3 mm/min; ASTM D790
Tear Strength	67.0 kN/m	382 pli	2 in/min; ASTM D624
Compression Set	23 %	23 %	Method B, 22 h, 23°C; ASTM D395

Thermal Properties	Metric	English	Comments
CTE, linear	78.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	43.3 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ASTM E831
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	

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