

A. Schulman POLYPUR™ FPU 1117 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-1117-Thermoplastic-Polyurethane-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage	0.011 - 0.016 cm/cm	0.011 - 0.016 in/in	48 hr, at 121°C; ASTM D955
	@Thickness 3.20 mm	@Thickness 0.126 in	
	0.0090 - 0.014 cm/cm	0.0090 - 0.014 in/in	ASTM D955
	@Thickness 3.20 mm, Time 259000 sec	@Thickness 0.126 in, Time 72.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	47	47	15 sec delay; ASTM D2240
Tensile Strength, Ultimate	35.0 MPa	5080 psi	2 in/min, at max load; ASTM D638
	39.0 MPa	5660 psi	20 in/min, at max load; ASTM D412
Elongation at Break	500 %	500 %	20 in/min; ASTM D412
Flexural Modulus	0.0690 GPa	10.0 ksi	1.3 mm/min; ASTM D790
Compression Set	30 %	30 %	Method B, 22 h, 23°C; ASTM D395
	35 %	35 %	Method B, 22 h, 70°C; ASTM D395

Thermal Properties	Metric	English	Comments
CTE, linear	150 µm/m-°C	83.3 µin/in-°F	ASTM E831
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China