

A. Schulman POLYPUR™ FPU 1103F 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-1103F-Thermoplastic-Polyurethane-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	48 hr, at 80 and 121°C; ASTM D955
	@Thickness 3.20 mm	@Thickness 0.126 in	
	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	72 hr; ASTM D955
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	15 sec delay; ASTM D2240
Tensile Strength, Ultimate	31.0 MPa	4500 psi	at max load; ASTM D638
Elongation at Break	35 %	35 %	ASTM D412
Flexural Modulus	0.759 GPa	110 ksi	ASTM D790
Izod Impact, Notched	5.30 J/cm	9.93 ft-lb/in	ASTM D256
Falling Dart Impact	7.00 J	5.16 ft-lb	at -30°C; ASTM D3029

Thermal Properties	Metric	English	Comments
CTE, linear	180 µm/m-°C	100 µin/in-°F	ASTM E831
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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