

A. Schulman POLYPUR™ FPU 1376 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-1376-Thermoplastic-Polyurethane-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 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	
	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	48 hr at 121°C; ASTM D955
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	15 sec delay; ASTM D2240
Tensile Strength, Ultimate	35.0 MPa	5080 psi	at max load; ASTM D638
Elongation at Break	30 %	30 %	ASTM D412
Flexural Modulus	0.900 GPa	131 ksi	at 70°C, tangent
	1.40 GPa	203 ksi	tangent; ASTM D790
Izod Impact, Notched	2.00 J/cm	3.75 ft-lb/in	ASTM D256
Falling Dart Impact	6.01 J	4.43 ft-lb	at -30°C; ASTM D3029
Tear Strength	110 kN/m	628 pli	ASTM D624

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 µm/m-°C	15.0 µin/in-°F	2.7 mm/mm; ASTM D696
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Melting Point	220 °C	428 °F	by DSC, 10°C per 220 minutes
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
Descriptive Properties	Value		Comments
Heat Sag	15 mm		ASTM D3769, 1 hr, at 121°C

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