

Polymer Resources PPX-FR3-[color]EN Modified PPO, UL 94 V-1 with HDT of 265 F, Extrusion Grade

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Molded

Material Notes:

Process: ExtrusionNotes: All physical, mechanical and thermal testing conducted on 1/8-inch thick, un-pigmented, test samples.

Information provided by Polymer Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polymer-Resources-PPX-FR3-colorEN-Modified-PPO-UL-94-V-1-with-HDT-of-265-F-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	4.0 - 8.0 g/10 min	4.0 - 8.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	64.1 MPa	9300 psi	ASTM D638
Tensile Strength, Yield	62.1 MPa	9000 psi	ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	2.14 J/cm	4.00 ft-lb/in	ASTM D256
Gardner Impact	>= 16.9 J	>= 12.5 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	129 °C	265 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	ASTM D648
Flammability, UL94	V-1	V-1	1/16 in
	V-1	V-1	1/8 in

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 260 °C	450 - 500 °F	
Drying Temperature	104 - 110 °C	220 - 230 °F	

Dry Time Processing Properties	3 - 4 hour Metric	3 - 4 hour English	Comments
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