Polymer Resources PPX-MF-FR3 Modified PPO, UL 94 V-0 with HDT of 230 F, Mineral Reinforced (Unverified Da

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Mineral Filled

Material Notes:

Process: Injection MoldingNotes: 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-MF-FR3-Modified-PPO-UL-94-V-0-with-HDT-of-230-F-Mineral-Reinforced-nbspUnverified-Da.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in³	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	3.0 - 10 g/10 min	3.0 - 10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	68.9 MPa	10000 psi	ASTM D638
Tensile Strength, Yield	66.9 MPa	9700 psi	ASTM D638
Flexural Strength	103 MPa	15000 psi	ASTM D790
Flexural Modulus	3.38 GPa	490 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	220 °F	ASTM D648
Flammability, UL94	V-0	V-0	1/16 in
	V-0	V-0	1/8 in

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	249 - 299 °C	480 - 570 °F	
Middle Barrel Temperature	260 - 304 °C	500 - 580 °F	
Front Barrel Temperature	271 - 310 °C	520 - 590 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	288 - 316 °C	550 - 600 °F	
Mold Temperature	71.1 - 93.3 °C	160 - 200 °F	
Drying Temperature	104 - 110 °C	220 - 230 °F	
Dry Time	3 - 4 hour	3 - 4 hour	

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