

Polymer Resources PPX/NY G20 Modified PPO, 20% Glass Reinforced PPX/Nylon 6,6 Alloy (Unverified Data**)&

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 20% Glass Filled

Material Notes:

Process: Injection Molding Notes: 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-PPXNY-G20-Modified-PPO-20-Glass-Reinforced-PPXNylon-66-Alloy-nbspUnverified-Datal.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	1.0 - 4.0 g/10 min	1.0 - 4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	114 MPa	16500 psi	ASTM D638
Tensile Strength, Yield	114 MPa	16500 psi	ASTM D638
Flexural Strength	169 MPa	24500 psi	ASTM D790
Flexural Modulus	5.38 GPa	780 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	221 °C	430 °F	ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	268 - 302 °C	515 - 575 °F	
Middle Barrel Temperature	274 - 302 °C	525 - 575 °F	
Front Barrel Temperature	279 - 302 °C	535 - 575 °F	
Melt Temperature	279 - 302 °C	535 - 575 °F	
Mold Temperature	79.4 - 121 °C	175 - 250 °F	

Drying Temperature Processing Properties	93.3 - 107 °C Metric	200 - 225 °F English	Comments
Dry Time	3 - 5 hour	3 - 5 hour	

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