

Polymer Resources PPX/NY G10 PPO/Nylon 66 Alloy , 10% Glass Reinforced

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

Material Notes:

Polyphenylene Oxide/Nylon 66 Alloy , 10% Glass Reinforced
 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-G10-PPONylon-66-Alloy-10-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.010 cm/cm	0.0050 - 0.010 in/in	ASTM D955
Melt Flow	2.0 - 8.0 g/10 min @Load 3.80 kg, Temperature 300 °C	2.0 - 8.0 g/10 min @Load 8.38 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	86.2 MPa	12500 psi	ASTM D638
Tensile Strength, Yield	86.2 MPa	12500 psi	ASTM D638
Flexural Strength	141 MPa	20500 psi	ASTM D790
Flexural Modulus	3.52 GPa	510 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm @Temperature 22.8 °C	0.900 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	204 °C	400 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	216 °C	420 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0626 in	
	HB @Thickness 3.17 mm	HB @Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	268 - 302 °C	515 - 575 °F	

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	279 - 302 °C	535 - 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	93.3 - 107 °C	200 - 225 °F	
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Vent	0.001	

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