

Polymer Resources PPX/NY GP1 PPO/Nylon 66 Alloy

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

Material Notes:

Polyphenylene Oxide/Nylon 66 Alloy , General Purpose 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-GP1-PPONylon-66-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Linear Mold Shrinkage	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	ASTM D955
Melt Flow	20 - 40 g/10 min @Load 3.80 kg, Temperature 300 °C	20 - 40 g/10 min @Load 8.38 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.2 MPa	8000 psi	ASTM D638
Tensile Strength, Yield	57.9 MPa	8400 psi	ASTM D638
Flexural Strength	86.2 MPa	12500 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	2.14 J/cm @Temperature 22.8 °C	4.00 ft-lb/in @Temperature 73.0 °F	ASTM D256
Gardner Impact	28.2 J	20.8 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	141 °C	285 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	113 °C	235 °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	260 - 299 °C	500 - 570 °F	
Middle Barrel Temperature	266 - 299 °C	510 - 570 °F	
Front Barrel Temperature	271 - 299 °C	520 - 570 °F	
Melt Temperature	277 - 299 °C	530 - 570 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °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