

## Polymer Resources PPX/NY GP2 Modified PPO, Medium Heat PPX/Nylon 6,6 Alloy (Unverified Data\*\*)

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

### 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-GP2-Modified-PPO-Medium-Heat-PPXNylon-66-Alloy-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_Polymer-Resources-PPXNY-GP2-Modified-PPO-Medium-Heat-PPXNylon-66-Alloy-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.010 - 0.013 cm/cm	0.010 - 0.013 in/in	ASTM D955
Melt Flow	10 - 30 g/10 min	10 - 30 g/10 min	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	8.96 MPa	1300 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	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)	154 °C	310 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	129 °C	265 °F	ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	266 - 302 °C	510 - 575 °F	
Middle Barrel Temperature	271 - 302 °C	520 - 575 °F	
Front Barrel Temperature	277 - 302 °C	530 - 575 °F	
Melt Temperature	279 - 302 °C	535 - 575 °F	

Mold Temperature Processing Properties	76.7 - 121 °C Metric	170 - 250 °F English	Comments
Drying Temperature	93.3 - 107 °C	200 - 225 °F	
Dry Time	3 - 5 hour	3 - 5 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China