

## Polymer Resources PPX-GP8 Modified PPO, General Purpose, Impact Modified (Unverified Data\*\*)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Impact Grade

### 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-PPX-GP8-Modified-PPO-General-Purpose-Impact-Modified-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_Polymer-Resources-PPX-GP8-Modified-PPO-General-Purpose-Impact-Modified-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	8.0 - 14 g/10 min	8.0 - 14 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	44.8 MPa	6500 psi	ASTM D638
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D638
Flexural Strength	68.9 MPa	10000 psi	ASTM D790
Flexural Modulus	1.97 GPa	285 ksi	ASTM D790
Izod Impact, Notched	3.74 J/cm	7.00 ft-lb/in	ASTM D256
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	240 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ASTM D648
Flammability, UL94	HB	HB	1/16 in
	HB	HB	1/8 in

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	243 - 293 °C	470 - 560 °F	
Middle Barrel Temperature	254 - 299 °C	490 - 570 °F	

Front Barrel Temperature Processing Properties	266 - 304 °C Metric	510 - 580 °F English	Comments
Melt Temperature	274 - 302 °C	525 - 575 °F	
Mold Temperature	65.6 - 98.9 °C	150 - 210 °F	
Drying Temperature	104 - 110 °C	220 - 230 °F	
Dry Time	3 - 4 hour	3 - 4 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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