

## Polymer Resources PPX-GP7 Modified PPO, General Purpose with HDT of 300 F (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-PPX-GP7-Modified-PPO-General-Purpose-with-HDT-of-300-F-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_Polymer-Resources-PPX-GP7-Modified-PPO-General-Purpose-with-HDT-of-300-F-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 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	0.10 - 4.0 g/10 min	0.10 - 4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.5 MPa	9500 psi	ASTM D638
Tensile Strength, Yield	63.4 MPa	9200 psi	ASTM D638
Flexural Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	2.38 GPa	345 ksi	ASTM D790
Izod Impact, Notched	2.14 J/cm	4.00 ft-lb/in	ASTM D256
Gardner Impact	>= 22.6 J	>= 16.7 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	149 °C	300 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 °C	290 °F	ASTM D648
Flammability, UL94	HB	HB	1/16 in
	HB	HB	1/8 in

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	260 - 304 °C	500 - 580 °F	
Middle Barrel Temperature	271 - 310 °C	520 - 590 °F	

Front Barrel Temperature Processing Properties	282 - 316 °C Metric	540 - 600 °F English	Comments
Melt Temperature	302 - 316 °C	575 - 600 °F	
Mold Temperature	71.1 - 104 °C	160 - 220 °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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