

## Polymer Resources PPX-FR1-[color]EN Modified PPO, UL 94 V-0 with HDT of 190 F, Extrusion Grade

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

### Material Notes:

Process: ExtrusionNotes: 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-FR1-colorEN-Modified-PPO-UL-94-V-0-with-HDT-of-190-F-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_Polymer-Resources-PPX-FR1-colorEN-Modified-PPO-UL-94-V-0-with-HDT-of-190-F-Extrusion-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 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	15 - 40 g/10 min	15 - 40 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	56.5 MPa	8200 psi	ASTM D638
Tensile Strength, Yield	46.9 MPa	6800 psi	ASTM D638
Flexural Strength	55.2 MPa	8000 psi	ASTM D790
Flexural Modulus	2.28 GPa	330 ksi	ASTM D790
Izod Impact, Notched	3.74 J/cm	7.00 ft-lb/in	ASTM D256
Gardner Impact	>= 16.9 J	>= 12.5 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.8 °C	190 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.2 °C	180 °F	ASTM D648
Flammability, UL94	V-0	V-0	1/16 in
	V-0	V-0	1/8 in

Processing Properties	Metric	English	Comments
Melt Temperature	246 - 274 °C	475 - 525 °F	
Drying Temperature	71.1 - 82.2 °C	160 - 180 °F	

<small>Dry Time</small> Processing Properties	<small>3 - 4 hour</small> Metric	<small>3 - 4 hour</small> English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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