

## IRPC Polimaxx Polene GP150 Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

### Material Notes:

APPLICATIONS: INJECTION MOULDING ELECTRICAL APPLIANCES, HOUSEHOLD PRODUCT, TOYS, SANITARY WARE, etc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_IRPC-Polimaxx-Polene-GP150-Polystyrene.php](http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-GP150-Polystyrene.php)

Physical Properties	Metric	English	Comments
Melt Flow	8.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	8.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	71 @Thickness 6.35 mm, Temperature 23.0 Â°C	71 @Thickness 0.250 in, Temperature 73.4 Â°F	ASTM D785
Tensile Strength, Yield	43.4 MPa @Temperature 23.0 Â°C	6290 psi @Temperature 73.4 Â°F	ASTM D638
Flexural Yield Strength	86.7 MPa @Temperature 23.0 Â°C	12600 psi @Temperature 73.4 Â°F	ASTM D790
Flexural Modulus	3.17 GPa @Temperature 23.0 Â°C	459 ksi @Temperature 73.4 Â°F	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.0 Â°C @Thickness 6.35 mm	199 Â°F @Thickness 0.250 in	ASTM D648
Vicat Softening Point	100 Â°C @Load 1.00 kg, Thickness 3.17 mm	212 Â°F @Load 2.20 lb, Thickness 0.125 in	ASTM D1525
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Processing Temperature	210 - 230 Â°C	410 - 446 Â°F	

Processing Properties	Metric	English	Comments
Drying Temperature	35.0 A°C @Time 7200 - 10800 sec	100 - 105 A°F @Time 2.00 - 3.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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