

SABIC Innovative Plastics NORYL PX2907 PPE+PS (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS)

Material Notes:

PPE+HIPS GF10% FR V-1

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PX2907-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	15.3 g/10 min @Load 5.00 kg, Temperature 300 °C	15.3 g/10 min @Load 11.0 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	77.0 MPa	11200 psi	SABIC - Japan Method
Elongation at Break	11 %	11 %	SABIC - Japan Method
Flexural Strength	122 MPa	17700 psi	ASTM D790
Flexural Modulus	3.72 GPa	540 ksi	ASTM D790
Izod Impact, Notched	0.920 J/cm	1.72 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 µm/m-°C @Temperature -30.0 - 30.0 °C	27.8 µin/in-°F @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	131 °C @Thickness 6.40 mm	268 °F @Thickness 0.252 in	unannealed; ASTM D648
Flammability, UL94	V-1 @Thickness 0.710 mm	V-1 @Thickness 0.0280 in	UL 94
	5VA	5VA	UL 94

Thermal Properties	@Thickness 2.50 mm Metric	@Thickness 0.0984 in English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China