

SABIC Innovative Plastics Noryl PX1127 PPE+PS

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

Material Notes:

Automotive electrical applications. 250F (120C) HDT. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-PX1127-PPEPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D 792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D 570
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D 785
Tensile Strength, Yield	57.0 MPa	8270 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	32 %	32 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	89.0 MPa	12900 psi	2.6 mm/min, 100 mm span; ASTM D 790
Flexural Modulus	2.45 GPa	355 ksi	2.6 mm/min, 100 mm span; ASTM D 790
Izod Impact, Notched	1.92 J/cm @Temperature -30.0 Â°C	3.60 ft-lb/in @Temperature -22.0 Â°F	ASTM D 256
	2.13 J/cm @Temperature 23.0 Â°C	3.99 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Gardner Impact	12.0 J @Temperature 23.0 Â°C	8.85 ft-lb @Temperature 73.4 Â°F	ASTM D 3029

Thermal Properties	Metric	English	Comments
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Thermal Properties Deflection Temperature at 1.8 MPa (264 psi)	122 Å°C Metric	252 Å°F English	Comments
	@Thickness 6.40 mm	@Thickness 0.252 in	ASTM D 648

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