

SABIC Innovative Plastics NORYL PX4716 PPE+HIPS (Asia Pacific)

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

Material Notes:

PPE+PS GF15% FR V-1

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PX4716-PPEHIPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.20 mm	0.0050 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	12.2 g/10 min @Load 5.00 kg, Temperature 300 Â°C	12.2 g/10 min @Load 11.0 lb, Temperature 572 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	78.0 MPa	11300 psi	SABIC - Japan Method
Elongation at Break	5.0 %	5.0 %	SABIC - Japan Method
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	4.72 GPa	685 ksi	ASTM D790
Izod Impact, Notched	1.18 J/cm	2.21 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	45.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	25.0 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	134 Â°C @Thickness 6.40 mm	273 Â°F @Thickness 0.252 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Dielectric Strength	20.0 kV/mm @Thickness 3.20 mm	508 kV/in @Thickness 0.126 in	in air; ASTM D149

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