

SABIC Innovative Plastics NORYL HFM3015P PPE+PS (Asia Pacific)

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

Material Notes:

30% GF/MF filled FR PPE/PS blend

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-HFM3015P-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Water Absorption	0.060 %	0.060 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0025 - 0.0030 cm/cm	0.0025 - 0.0030 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	48.3 g/10 min	48.3 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 300 Â°C	@Load 11.0 lb, Temperature 572 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	98.0 MPa	14200 psi	SABIC - Japan Method
Elongation at Break	4.0 - 6.0 %	4.0 - 6.0 %	SABIC - Japan Method
Flexural Strength	137 MPa	19900 psi	ASTM D790
Flexural Modulus	7.64 GPa	1110 ksi	ASTM D790
Izod Impact, Notched	0.580 J/cm	1.09 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	25.0 - 35.0 Âµm/m-Â°C	13.9 - 19.4 Âµin/in-Â°F	TMA
	@Temperature -30.0 - 30.0 Â°C	@Temperature -22.0 - 86.0 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C	230 Â°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

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