

SABIC Innovative Plastics NORYL HM4025H PPE+PS (Asia Pacific)

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

Material Notes:

40% GF/MF filled FR PPE/PS blend, high flow

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-HM4025H-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Water Absorption	0.060 %	0.060 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	15.4 g/10 min	15.4 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 300 Â°C	@Load 4.76 lb, Temperature 572 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	90	90	ASTM D785
Tensile Strength, Yield	116 MPa	16800 psi	SABIC - Japan Method
Elongation at Break	4.0 - 6.0 %	4.0 - 6.0 %	SABIC - Japan Method
Flexural Strength	154 MPa	22300 psi	ASTM D790
Flexural Modulus	10.29 GPa	1492 ksi	ASTM D790
Izod Impact, Notched	0.680 J/cm	1.27 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	21.0 - 33.0 Âµm/m-Â°C	11.7 - 18.3 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)	125 Â°C	257 Â°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257

Electrical Properties

Metric

English

Comments

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