

SABIC Innovative Plastics NORYL HFG300 PPE+PS (Asia Pacific)

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

Material Notes:

PPE+PS GF30% filled, FR V-0

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-HFG300-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Water Absorption	0.060 %	0.060 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	22.9 g/10 min	22.9 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 at Break	98.0 MPa	14200 psi	Type I, 10 mm/min; SABIC - Japan Method
Elongation at Yield	8.0 %	8.0 %	Type I, 10 mm/min; SABIC - Japan Method
Flexural Strength	132 MPa	19100 psi	ASTM D790
Flexural Modulus	7.79 GPa	1130 ksi	ASTM D790
Izod Impact, Notched	0.880 J/cm	1.65 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	21.0 - 42.0 Âµm/m-Â°C	11.7 - 23.3 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)	100 Â°C	212 Â°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	V-1	V-1	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	

Thermal Properties	Metric @Thickness 1.80 mm	English @Thickness 0.0709 in	UL 94 Comments
	5VA	5VA	UL 94
	@Thickness 2.50 mm	@Thickness 0.0984 in	

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