

SABIC Innovative Plastics NORYL FN215Z PPE+HIPS (Asia Pacific)

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

Material Notes:

PPE + PS, FR foam molding grade

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-FN215Z-PPEHIPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	ASTM D792
Water Absorption	0.060 %	0.060 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	43.6 g/10 min	43.6 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 °C	@Load 22.0 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	SABIC - Japan Method
Elongation at Break	16 %	16 %	SABIC - Japan Method
Flexural Strength	54.0 MPa	7830 psi	ASTM D790
Flexural Modulus	2.15 GPa	312 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	68.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	37.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	TMA
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	V-1	V-1	UL 94
	@Thickness 5.00 mm	@Thickness 0.197 in	
	5VA	5VA	UL 94
	@Thickness 5.00 mm	@Thickness 0.197 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+17 ohm	1.00e+17 ohm	ASTM D257
Dielectric Constant	2.27 @Frequency 100 Hz	2.27 @Frequency 100 Hz	ASTM D150

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