

SABIC Innovative Plastics NORYL FN150 PPE+HIPS (Europe-Africa-Middle East)

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

Material Notes:

NORYL FN150 twin wall foam meets UL standard 94 V-0/5V ratings at 4 mm wall thickness. These unique flammability characteristics make FN150 the supreme choice for designing optimum wall thickness in computer and business machine applications. Noryl FN150 twin wall foam maintains the advantages of the Engineering Structural Foam principle at optimal cost efficiency.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-FN150-PPEHIPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	on Tensile Bar; SABIC Method
Melt Index of Compound	6.0 g/10 min @Load 2.16 kg, Temperature 280 °C	6.0 g/10 min @Load 4.76 lb, Temperature 536 °F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	50 mm/min; ISO 527
Tensile Strength, Yield	45.0 MPa	6530 psi	50 mm/min; ISO 527
Elongation at Break	40 %	40 %	50 mm/min; ISO 527
Elongation at Yield	3.0 %	3.0 %	50 mm/min; ISO 527
Flexural Yield Strength	70.0 MPa	10200 psi	2 mm/min; ISO 178
Flexural Modulus	2.00 GPa	290 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	80*10*4; ISO 180/1A
Gardner Impact	10.0 - 20.0 J	7.38 - 14.8 ft-lb	SABIC Method

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	75.0 µm/m-°C @Temperature 23.0 - 80.0 °C	41.7 µin/in-°F @Temperature 73.4 - 176 °F	ISO 11359-2
CTE, linear, Transverse to Flow	85.0 µm/m-°C @Temperature 23.0 - 80.0 °C	47.2 µin/in-°F @Temperature 73.4 - 176 °F	ISO 11359-2

Thermal Properties	Metric	English	Comments
Vicat Softening Point	105 °C	221 °F	Rate B/120; ISO 306
UL RTI, Electrical	50.0 °C	122 °F	UL 746B
UL RTI, Mechanical with Impact	50.0 °C	122 °F	UL 746B
UL RTI, Mechanical without Impact	50.0 °C	122 °F	UL 746B
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 4.00 mm	@Thickness 0.157 in	
	5VA	5VA	UL 94
	@Thickness 4.00 mm	@Thickness 0.157 in	
Oxygen Index	29 %	29 %	ISO 4589

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.2	2.2	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	2.3	2.3	IEC 60250
	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	
Dissipation Factor	0.0039	0.0039	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	0.0047	0.0047	IEC 60250
	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	

Descriptive Properties	Value	Comments
Weight Reduction	20%	SABIC Method

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China