

SABIC Innovative Plastics NORYL N1050 PPE+HIPS (Asia Pacific)

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

Material Notes:

Noryl* N1050 is an unfilled, injection moldable modified polyphenylene ether resin. Designed for good dimensional stability and good flow , this resin also uses non-chlorinated, non-brominated FR additives to achieve a UL94 V0 rating at 1.5 mm and 5VA at 2.5 mm with a specific density of 1.11 g/cm³. Noryl N1050 may be an excellent material candidate for application requiring electrically insulating properties, low moisture absorption and low warpage.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-N1050-PPEHIPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	17 g/10 min @Load 10.0 kg, Temperature 250 Â°C	17 g/10 min @Load 22.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.0 MPa	9140 psi	SABIC - Japan Method
Elongation at Break	40 %	40 %	SABIC - Japan Method
Flexural Strength	98.0 MPa	14200 psi	ASTM D790
Flexural Modulus	2.53 GPa	367 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm	2.19 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	38.9 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C @Thickness 6.40 mm	221 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Flammability, UL94	V-0	V-0	UL 94

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
	5VA	5VA	UL 94
	@Thickness 2.50 mm	@Thickness 0.0984 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257
Dielectric Constant	2.78	2.78	ASTM D150
	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	
Dissipation Factor	0.0030	0.0030	ASTM D150
	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	

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