

SABIC Innovative Plastics Noryl HS2000 PPE (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-HS2000-PPE-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D 792
Water Absorption	0.12 % @Time 86400 sec	0.12 % @Time 24.0 hour	ASTM D 570
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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D 785
Tensile Strength, Yield	63.0 MPa	9140 psi	SABIC - Japan Method
Elongation at Break	60 %	60 %	SABIC - Japan Method
Flexural Strength	100 MPa	14500 psi	ASTM D 790
Flexural Modulus	3.50 GPa	508 ksi	ASTM D 790
Izod Impact, Notched	1.07 J/cm @Temperature 23.0 Â°C	2.00 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	30.6 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	115 Â°C @Thickness 3.20 mm	239 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
Flammability, UL94	V-0 @Thickness 1.57 mm	V-0 @Thickness 0.0618 in	UL 94
	5VA	5VA	UL 94

Thermal Properties	@Thickness 2.00 mm Metric	@Thickness 0.0787 in English	Comments
Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ASTM D 257
Dielectric Constant	2.8	2.8	ASTM D 150
	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	
Arc Resistance	60 - 120 sec	60 - 120 sec	Tungsten, PLC code 6; ASTM D 495

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