

SABIC Innovative Plastics Noryl INT1000 PPE+HIPS (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS) , Polystyrene + Polyphenylene Ether, Unreinforced , Polystyrene, Impact Modified

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-INT1000-PPEHIPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D 792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @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
Tensile Strength, Yield	42.0 MPa	6090 psi	SABIC - Japan Method
Elongation at Break	80 %	80 %	SABIC - Japan Method
Flexural Strength	73.0 MPa	10600 psi	ASTM D 790
Flexural Modulus	1.96 GPa	284 ksi	ASTM D 790
Izod Impact, Notched	0.990 J/cm @Temperature -30.0 °C	1.85 ft-lb/in @Temperature -22.0 °F	ASTM D 256
	1.76 J/cm @Temperature 23.0 °C	3.30 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 µm/m-°C @Temperature -30.0 - 30.0 °C	38.9 µin/in-°F @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	112 °C @Thickness 3.20 mm	234 °F @Thickness 0.126 in	unannealed; ASTM D 648

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