

SABIC Innovative Plastics Noryl GTX GTX6801 PPE+PS+PA66 (Asia Pacific)

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

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-GTX-GTX6801-PPEPSA66-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D 792
Water Absorption	0.50 % @Time 86400 sec	0.50 % @Time 24.0 hour	ASTM D 570
Linear Mold Shrinkage, Flow	0.0030 - 0.0070 cm/cm @Thickness 3.20 mm	0.0030 - 0.0070 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	142 MPa	20600 psi	SABIC - Japan Method
Elongation at Break	10 %	10 %	SABIC - Japan Method
Flexural Strength	215 MPa	31200 psi	ASTM D 790
Flexural Modulus	8.43 GPa	1220 ksi	ASTM D 790
Izod Impact, Notched	0.880 J/cm @Temperature 23.0 Â°C	1.65 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 - 50.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	16.7 - 27.8 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	230 Â°C @Thickness 3.20 mm	446 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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