

SABIC Innovative Plastics NORYL PX2944 PPE+HIPS (Asia Pacific)

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

Material Notes:

PPE/PS, GF20%, high heat, non-FR

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PX2944-PPEHIPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Water Absorption	0.060 %	0.060 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	6.1 g/10 min	6.1 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 300 °C	@Load 11.0 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	88.0 MPa	12800 psi	SABIC - Japan Method
Elongation at Break	4.0 - 6.0 %	4.0 - 6.0 %	SABIC - Japan Method
Flexural Strength	142 MPa	20600 psi	ASTM D790
Flexural Modulus	5.27 GPa	764 ksi	ASTM D790
Izod Impact, Notched	0.760 J/cm	1.42 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 - 40.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	16.7 - 22.2 $\mu\text{in}/\text{in}\cdot\text{°F}$	TMA
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	154 °C	309 °F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

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