

SABIC Innovative Plastics NORYL PX2938 PPE (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

PPE+PS GF20% High Heat FR V-0

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PX2938-PPE-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm @Thickness 3.20 mm	0.0020 - 0.0040 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	19.8 g/10 min @Load 5.00 kg, Temperature 300 °C	19.8 g/10 min @Load 11.0 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	127	127	ASTM D785
Tensile Strength, Yield	107 MPa	15500 psi	SABIC - Japan Method
Elongation at Break	8.0 %	8.0 %	SABIC - Japan Method
Flexural Strength	143 MPa	20700 psi	ASTM D790
Flexural Modulus	5.64 GPa	818 ksi	ASTM D790
Izod Impact, Notched	0.870 J/cm	1.63 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 - 44.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature -30.0 - 30.0 °C	15.0 - 24.4 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	143 °C @Thickness 6.40 mm	289 °F @Thickness 0.252 in	unannealed; ASTM D648

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