

SABIC Innovative Plastics NORYL CN5260 PPE+PS (Asia Pacific)

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

Material Notes:

50% filled FR high modulus PPE/PS blend

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-CN5260-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 g/cc	1.53 g/cc	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0015 - 0.0025 cm/cm @Thickness 3.20 mm	0.0015 - 0.0025 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	13.3 g/10 min @Load 5.00 kg, Temperature 300 °C	13.3 g/10 min @Load 11.0 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	129 MPa	18700 psi	SABIC - Japan Method
Elongation at Break	5.0 %	5.0 %	SABIC - Japan Method
Flexural Strength	161 MPa	23400 psi	ASTM D790
Flexural Modulus	12.35 GPa	1791 ksi	ASTM D790
Izod Impact, Notched	0.580 J/cm	1.09 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 - 31.0 µm/m-°C @Temperature -30.0 - 30.0 °C	11.1 - 17.2 µin/in-°F @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	125 °C @Thickness 6.40 mm	257 °F @Thickness 0.252 in	unannealed; ASTM D648

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