

SABIC Innovative Plastics NORYL CN5258 PPE+PS (Asia Pacific)

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

Material Notes:

40% filled FR high modulus PPE/PS blend

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-CN5258-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	119 MPa	17300 psi	SABIC - Japan Method
Elongation at Break	5.0 %	5.0 %	SABIC - Japan Method
Flexural Strength	158 MPa	22900 psi	ASTM D790
Flexural Modulus	10.0 GPa	1450 ksi	ASTM D790
Izod Impact, Notched	0.680 J/cm	1.27 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	21.0 - 33.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	11.7 - 18.3 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	TMA
Deflection Temperature at 1.8 MPa (264 psi)	125 $\text{Å}^\circ\text{C}$ @Thickness 6.40 mm	257 $\text{Å}^\circ\text{F}$ @Thickness 0.252 in	unannealed; ASTM D648

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