

SABIC Innovative Plastics NORYL CN1134 PPE+PS (Asia Pacific)

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

Material Notes:

20% filled FR high modulus PPE/PS blend

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-CN1134-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0025 - 0.0035 cm/cm @Thickness 3.20 mm	0.0025 - 0.0035 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	22.1 g/10 min @Load 2.16 kg, Temperature 300 Â°C	22.1 g/10 min @Load 4.76 lb, Temperature 572 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	98.0 MPa	14200 psi	SABIC - Japan Method
Elongation at Break	7.0 %	7.0 %	SABIC - Japan Method
Flexural Strength	137 MPa	19900 psi	ASTM D790
Flexural Modulus	5.88 GPa	853 ksi	ASTM D790
Izod Impact, Notched	0.680 J/cm	1.27 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	25.0 - 35.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	13.9 - 19.4 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	106 Â°C @Thickness 6.40 mm	223 Â°F @Thickness 0.252 in	unannealed; ASTM D648

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