

SABIC Innovative Plastics NORYL TCN8222 PPE+HIPS (Asia Pacific)

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

Material Notes:

PPE/HIPS unfilled 80C FR-V2

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-TCN8222-PPEHIPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm @Thickness 3.20 mm	0.0040 - 0.0060 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	35 g/10 min @Load 5.00 kg, Temperature 250 Â°C	35 g/10 min @Load 11.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	SABIC - Japan Method
Elongation at Break	80 %	80 %	SABIC - Japan Method
Flexural Strength	56.0 MPa	8120 psi	ASTM D790
Flexural Modulus	2.19 GPa	318 ksi	ASTM D790
Izod Impact, Notched	1.49 J/cm	2.79 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 - 80.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	33.3 - 44.4 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Â°C @Thickness 6.40 mm	176 Â°F @Thickness 0.252 in	unannealed; ASTM D648

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