

SABIC Innovative Plastics NORYL PX0888 PPE+PS

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

Material Notes:

Unfilled, non-FR. Higher heat resistance than N110 (BOZ) and px0844 (USA). For automotive interiors. 250F (121C) DTUL.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PX0888-PPEPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Melt Index of Compound	6.0 g/10 min @Load 2.16 kg, Temperature 300 Â°C	6.0 g/10 min @Load 4.76 lb, Temperature 572 Â°F	MVR [cm^3/10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	58.0 MPa	8410 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	30 %	30 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	93.0 MPa	13500 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	1.97 J/cm	3.69 ft-lb/in	ASTM D256
	1.33 J/cm @Temperature -40.0 Â°C	2.49 ft-lb/in @Temperature -40.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	73.8 Âµm/m-Â°C @Temperature 0.000 - 100 Â°C	41.0 Âµin/in-Â°F @Temperature 32.0 - 212 Â°F	ASTM E 831
Deflection Temperature at 0.46 MPa	129 Â°C	264 Â°F	unannealed; ASTM D648

(66 psi) Thermal Properties	@Thickness 6.40 mm Metric	@Thickness 0.252 in English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	127 Â°C @Thickness 6.40 mm	261 Â°F @Thickness 0.252 in	unannealed; ASTM D648

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