

SABIC Innovative Plastics NORYL PX1390 PPE+PS (Asia Pacific)

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

Material Notes:

Automotive applications, primarily. Excellent electrical properties, easy processability, high heat, 295F (146C) DTUL.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PX1390-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	30 %	30 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	99.0 MPa	14400 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.27 GPa	329 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	2.88 J/cm	5.40 ft-lb/in	ASTM D256
	1.60 J/cm @Temperature -40.0 Â°C	3.00 ft-lb/in @Temperature -40.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	72.0 Âµm/m-Â°C @Temperature 0.000 - 100 Â°C	40.0 Âµin/in-Â°F @Temperature 32.0 - 212 Â°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	154 Â°C @Thickness 6.40 mm	309 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	146 Â°C @Thickness 6.40 mm	295 Â°F @Thickness 0.252 in	unannealed; ASTM D648
UL RTI, Electrical	50.0 Â°C	122 Â°F	UL 746B

Thermal Properties	Metric	English	Comments
UL RTI, Mechanical without Impact	50.0 °C	122 °F	UL 746B
Flammability, UL94	HB	HB	UL 94
	@Thickness 0.710 mm	@Thickness 0.0280 in	

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