

SABIC Innovative Plastics Noryl EN110 PPE+PS (Asia Pacific)

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

Material Notes:

Medium heat, extrusion grade PPO/HIPS alloy. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-EN110-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D 792
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	45.0 MPa	6530 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	50 %	50 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	75.0 MPa	10900 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	2.30 GPa	334 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	2.77 J/cm @Temperature 23.0 Â°C	5.19 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	126 Âµm/m-Â°C @Temperature -40.0 - 60.0 Â°C	70.0 Âµin/in-Â°F @Temperature -40.0 - 140 Â°F	ASTM E 831
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C @Thickness 3.20 mm	221 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
	107 Â°C @Thickness 6.40 mm	225 Â°F @Thickness 0.252 in	unannealed; ASTM D 648

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