

SABIC Innovative Plastics Noryl PX6021 PPE+PS (Asia Pacific)

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

Material Notes:

Low heat, flame retardant 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-PX6021-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	44 %	44 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	89.0 MPa	12900 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	2.10 GPa	305 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	1.17 J/cm @Temperature 23.0 Â°C	2.19 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Â°C @Thickness 3.20 mm	176 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
	86.0 Â°C @Thickness 6.40 mm	187 Â°F @Thickness 0.252 in	unannealed; ASTM D 648
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	UL 94 by SABIC-IP

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