

SABIC Innovative Plastics NORYL PPX PPX630 PPE+PP (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polypropylene (PP)

Material Notes:

30% GR PPE+PP. High elongation. high stiffness. NSF Standard 61 Compliant (color limited).

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PPX-PPX630-PPEPP-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0023 cm/cm @Thickness 3.20 mm	0.0020 - 0.0023 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0025 - 0.0076 cm/cm @Thickness 3.20 mm	0.0025 - 0.0076 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	2.6 g/10 min @Load 5.00 kg, Temperature 260 Å°C	2.6 g/10 min @Load 11.0 lb, Temperature 500 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	79.0 MPa	11500 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	79.0 MPa	11500 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	7.7 %	7.7 %	Type I, 5 mm/min; ASTM D638
Flexural Strength	129 MPa	18700 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	5.55 GPa	805 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	1.65 J/cm	3.09 ft-lb/in	ASTM D256
	1.01 J/cm @Temperature -30.0 Å°C	1.89 ft-lb/in @Temperature -22.0 Å°F	ASTM D256
Izod Impact, Unnotched	8.27 J/cm	15.5 ft-lb/in	ASTM D4812
Dart Drop, Total Energy	19.0 J @Temperature 23.0 Å°C	14.0 ft-lb @Temperature 73.4 Å°F	ASTM D3763
	20.0 J @Temperature -30.0	14.8 ft-lb @Temperature -22.0	ASTM D3763

Mechanical Properties	°C Metric	°F English	Comments
Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	14.4 Åµm/m-Å°C @Temperature -40.0 - 40.0 Å°C	8.00 Åµin/in-Å°F @Temperature -40.0 - 104 Å°F	ASTM E 831
CTE, linear, Transverse to Flow	77.4 Åµm/m-Å°C @Temperature -40.0 - 40.0 Å°C	43.0 Åµin/in-Å°F @Temperature -40.0 - 104 Å°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	155 Å°C @Thickness 3.20 mm	311 Å°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	133 Å°C @Thickness 3.20 mm	271 Å°F @Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	162 Å°C	324 Å°F	Rate B/50; ASTM D1525

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