

SABIC Innovative Plastics Noryl GTX GTX917 PPE+PS+PA

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

Material Notes:

This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-GTX-GTX917-PPEPSA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D 792
Linear Mold Shrinkage, Flow	0.011 - 0.013 cm/cm @Thickness 3.20 mm	0.011 - 0.013 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.010 - 0.012 cm/cm @Thickness 3.20 mm	0.010 - 0.012 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	68.0 MPa	9860 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	40 %	40 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	103 MPa	14900 psi	2.6 mm/min, 100 mm span; ASTM D 790
Flexural Modulus	2.48 GPa	360 ksi	2.6 mm/min, 100 mm span; ASTM D 790
Izod Impact, Notched	1.86 J/cm @Temperature 23.0 Â°C	3.48 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Impact Test	27.0 J @Temperature -30.0 Â°C	19.9 ft-lb @Temperature -22.0 Â°F	Instrumented Impact Energy @ peak; ASTM D 3763
	53.0 J @Temperature 23.0 Â°C	39.1 ft-lb @Temperature 73.4 Â°F	Instrumented Impact Energy @ peak; ASTM D 3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	204 Â°C @Thickness 6.40 mm	399 Â°F @Thickness 0.252 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	146 Â°C	295 Â°F	unannealed; ASTM D 648

Thermal Properties	@Thickness 6.40 mm Metric	@Thickness 0.252 in English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China