

SABIC Innovative Plastics NORYL GTX GTX918W PPE+PS+PA

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

Material Notes:

High flow NORYL GTX resin for under-the-hood and electrical applications requiring retention of properties under thermal load

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-GTX918W-PPEPSA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.013 - 0.016 cm/cm @Thickness 3.20 mm	0.013 - 0.016 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.010 - 0.013 cm/cm @Thickness 3.20 mm	0.010 - 0.013 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	53 %	53 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	98.0 MPa	14200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	2.36 GPa	342 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	2.02 J/cm	3.78 ft-lb/in	ASTM D256
Dart Drop, Total Energy	40.0 J	29.5 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	188 Â°C @Thickness 3.20 mm	370 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	148 Â°C @Thickness 3.20 mm	298 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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