

SABIC Innovative Plastics NORYL GTX GTX905 PPE+PS+PA

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

Material Notes:

Automotive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-GTX905-PPEPSA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.014 - 0.017 cm/cm	0.014 - 0.017 in/in	annealed 130C 1hr; ASTM D955
	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 280 Å°C	@Load 11.0 lb, Temperature 536 Å°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	56.0 MPa	8120 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	49 %	49 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	87.0 MPa	12600 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.20 GPa	319 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	172 Å°C	342 Å°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

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