

SABIC Innovative Plastics NORYL GTX RNX130 PPE+PS+PA

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

Material Notes:

30% glass reinforced PPE+PS+PA alloy for automotive and nonautomotive applications. Recycle grade in black/gray only.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-RNX130-PPEPSA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	138 MPa	20000 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	138 MPa	20000 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	5.0 %	5.0 %	Type I, 5 mm/min; ASTM D638
Flexural Strength	186 MPa	27000 psi	1.3 mm/min, 50 mm span; ASTM D790
	186 MPa	27000 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	7.86 GPa	1140 ksi	2.6 mm/min, 100 mm span; ASTM D790
	8.13 GPa	1180 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.420 J/cm	0.787 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D4812
Dart Drop, Total Energy	6.00 J	4.43 ft-lb	ASTM D3763
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	251 Å°C	484 Å°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	229 Å°C	444 Å°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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