

SABIC Innovative Plastics NORYL GTX GTX951W PPE+PA66 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Polyphenylene Ether/PPO

Material Notes:

A new high flow GTX designed for under-the-hood applications such as power distribution boxes, relay boxes and junction boxes.

Developmental name: EXNX0151.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-GTX951W-PPEPA66-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Melt Flow	26 g/10 min	26 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 280 Â°C	@Load 4.76 lb, Temperature 536 Â°F	
	67 g/10 min	67 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 280 Â°C	@Load 11.0 lb, Temperature 536 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	66 %	66 %	Type I, 50 mm/min; ASTM D638
Flexural Strength	93.0 MPa	13500 psi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	2.35 J/cm	4.40 ft-lb/in	ASTM D256
	0.930 J/cm	1.74 ft-lb/in	ASTM D256
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 Âµm/m-Â°C	50.0 Âµin/in-Â°F	ASTM E 831
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
CTE, linear, Transverse to Flow	85.0 Âµm/m-Â°C	47.2 Âµin/in-Â°F	ASTM E 831
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	195 Â°C	383 Â°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	22.4 kV/mm	569 kV/in	in oil; ASTM D149
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Dissipation Factor	0.017	0.017	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

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