

SABIC Innovative Plastics NORYL GTX CRN530 PPE+PA6 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Polyphenylene Ether/PPO

Material Notes:

30%GF GTX grade for Non Auto market

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-CRN530-PPEPA6-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Water Absorption	0.50 %	0.50 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	140 MPa	20300 psi	SABIC - Japan Method
Elongation at Break	10 %	10 %	SABIC - Japan Method
Flexural Strength	206 MPa	29900 psi	ASTM D790
Flexural Modulus	8.15 GPa	1180 ksi	ASTM D790
Izod Impact, Notched	0.880 J/cm	1.65 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 - 50.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	16.7 - 27.8 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	TMA
	@Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	205 $\text{Å}^\circ\text{C}$	401 $\text{Å}^\circ\text{F}$	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	HB	HB	UL 94
	@Thickness 0.900 mm	@Thickness 0.0354 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257
	3.28	3.28	

Dielectric Constant
Electrical Properties

@Frequency 50.0 - 60.0
Metric
Hz

@Frequency 50.0 - 60.0
English
Hz

ASTM D150
Comments

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