

SABIC Innovative Plastics NORYL GTX CRN730V PPE+PA6 (Asia Pacific)

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

Material Notes:

PPE+PA+GF, FR

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-CRN730V-PPEPA6-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Water Absorption	0.50 %	0.50 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 - 0.0070 cm/cm	0.0020 - 0.0070 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	68.1 g/10 min	68.1 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 280 °C	@Load 11.0 lb, Temperature 536 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	114 MPa	16500 psi	SABIC - Japan Method
Elongation at Break	9.0 %	9.0 %	SABIC - Japan Method
Flexural Strength	171 MPa	24800 psi	ASTM D790
Flexural Modulus	9.00 GPa	1310 ksi	ASTM D790
Izod Impact, Notched	1.03 J/cm	1.93 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	3.20 $\mu\text{m}/\text{m}\cdot\text{°C}$	1.78 $\mu\text{in}/\text{in}\cdot\text{°F}$	TMA
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
	32.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	17.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	TMA
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	197 °C	387 °F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	V-1	V-1	UL 94

Thermal Properties	Metric @Thickness 0.940 mm	English @Thickness 0.0370 in	Comments
	5VA	5VA	UL 94
	@Thickness 2.50 mm	@Thickness 0.0984 in	

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