

**SABIC Innovative Plastics NORYL GTX GTX6011 PPE+PA6 (Asia Pacific)**

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

**Material Notes:**

PA6 based unfilled GTX. High impact.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-GTX-GTX6011-PPEPA6-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-GTX6011-PPEPA6-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Water Absorption	0.60 %	0.60 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	SABIC - Japan Method
Elongation at Break	150 %	150 %	SABIC - Japan Method
Flexural Strength	74.0 MPa	10700 psi	ASTM D790
Flexural Modulus	1.86 GPa	270 ksi	ASTM D790
Izod Impact, Notched	8.43 J/cm	15.8 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 - 100 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	44.4 - 55.6 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	TMA
	@Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	180 $\text{Å}^\circ\text{C}$	356 $\text{Å}^\circ\text{F}$	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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