

## SABIC Innovative Plastics Noryl GTX CRN500 PPE+PA6 (Asia Pacific)

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

### Material Notes:

Pa6 based unfilled GTX for Non-Auto market This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Noryl-GTX-CRN500-PPEPA6-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-GTX-CRN500-PPEPA6-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D 792
Water Absorption	0.60 %	0.60 %	ASTM D 570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	64.0 MPa	9280 psi	SABIC - Japan Method
Elongation at Break	100 %	100 %	SABIC - Japan Method
Flexural Strength	87.0 MPa	12600 psi	ASTM D 790
Flexural Modulus	2.30 GPa	334 ksi	ASTM D 790
Izod Impact, Notched	6.37 J/cm	11.9 ft-lb/in	ASTM D 256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear	75.0 - 85.0 Âµm/m-Â°C	41.7 - 47.2 Âµin/in-Â°F	TMA
	@Temperature -30.0 - 30.0 Â°C	@Temperature -22.0 - 86.0 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	185 Â°C	365 Â°F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D 257

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	ASTM D 150

## Contact Songhan Plastic Technology Co.,Ltd.

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