

**SABIC Innovative Plastics Noryl GTX GTX6013 PPE+PA6 (Asia Pacific)**

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

**Material Notes:**

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-GTX6013-PPEPA6-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-GTX-GTX6013-PPEPA6-Asia-Pacific.php)

| Physical Properties         | Metric                | English               | Comments     |
|-----------------------------|-----------------------|-----------------------|--------------|
| Specific Gravity            | 1.09 g/cc             | 1.09 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 | 60.0 MPa              | 8700 psi              | SABIC - Japan Method |
| Elongation at Break     | 180 %                 | 180 %                 | SABIC - Japan Method |
| Flexural Strength       | 93.0 MPa              | 13500 psi             | ASTM D 790           |
| Flexural Modulus        | 2.25 GPa              | 326 ksi               | ASTM D 790           |
| Izod Impact, Notched    | 6.08 J/cm             | 11.4 ft-lb/in         | ASTM D 256           |
|                         | @Temperature 23.0 Å°C | @Temperature 73.4 Å°F |                      |

| Thermal Properties                          | Metric                        | English                       | Comments               |
|---|-------------------------------|-------------------------------|------------------------|
| CTE, linear                                 | 75.0 - 85.0 Åµm/m-Å°C         | 41.7 - 47.2 Åµin/in-Å°F       | TMA                    |
|   | @Temperature -30.0 - 30.0 Å°C | @Temperature -22.0 - 86.0 Å°F |                        |
| Deflection Temperature at 1.8 MPa (264 psi) | 190 Å°C                       | 374 Å°F                       | unannealed; ASTM D 648 |
|   | @Thickness 3.20 mm            | @Thickness 0.126 in           |                        |

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