

## SABIC Innovative Plastics NORYL GTX GTX6801 PPE+PA (Asia Pacific)

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

### Material Notes:

PPE+PA, GF 30%

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-GTX-GTX6801-PPEPA-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-GTX6801-PPEPA-Asia-Pacific.php)

| Physical Properties         | Metric                                                 | English                                                | Comments     |
|-----------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------|
| Specific Gravity            | 1.33 g/cc                                              | 1.33 g/cc                                              | ASTM D792    |
| Water Absorption            | 0.50 %<br>@Time 86400 sec                              | 0.50 %<br>@Time 24.0 hour                              | ASTM D570    |
| Linear Mold Shrinkage, Flow | 0.0030 - 0.0070 cm/cm<br>@Thickness 3.20 mm            | 0.0030 - 0.0070 in/in<br>@Thickness 0.126 in           | SABIC Method |
| Melt Flow                   | 24.2 g/10 min<br>@Load 5.00 kg,<br>Temperature 280 Â°C | 24.2 g/10 min<br>@Load 11.0 lb,<br>Temperature 536 Â°F | ASTM D1238   |

| Mechanical Properties   | Metric     | English       | Comments             |
|-------------------------|------------|---------------|----------------------|
| Tensile Strength, Yield | 157 MPa    | 22800 psi     | SABIC - Japan Method |
| Elongation at Break     | 10 %       | 10 %          | SABIC - Japan Method |
| Flexural Strength       | 216 MPa    | 31300 psi     | ASTM D790            |
| Flexural Modulus        | 8.43 GPa   | 1220 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 Âµm/m-Â°C<br>@Temperature -30.0 -<br>30.0 Â°C | 16.7 - 27.8 Âµin/in-Â°F<br>@Temperature -22.0 -<br>86.0 Â°F | TMA                   |
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 230 Â°C<br>@Thickness 6.40 mm                             | 446 Â°F<br>@Thickness 0.252 in                              | unannealed; ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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