

## SABIC Innovative Plastics NORYL GTX APS430 PPE+PPS (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Sulfide (PPS)

### Material Notes:

PPE + PPS GF 30%, FR V-0

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-GTX-APS430-PPEPPS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-APS430-PPEPPS-Asia-Pacific.php)

| Physical Properties         | Metric   | English  | Comments     |
|-----------------------------|--|--|--------------|
| Specific Gravity            | 1.48 g/cc  | 1.48 g/cc  | ASTM D792    |
| Water Absorption            | 0.020 %<br>@Time 86400 sec                             | 0.020 %<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                   | 43.6 g/10 min<br>@Load 5.00 kg,<br>Temperature 300 Â°C | 43.6 g/10 min<br>@Load 11.0 lb,<br>Temperature 572 Â°F | ASTM D1238   |

| Mechanical Properties   | Metric     | English       | Comments             |
|-------------------------|------------|---------------|----------------------|
| Tensile Strength, Yield | 122 MPa    | 17700 psi     | SABIC - Japan Method |
| Elongation at Break     | 10 %       | 10 %          | SABIC - Japan Method |
| Flexural Strength       | 166 MPa    | 24100 psi     | ASTM D790            |
| Flexural Modulus        | 8.62 GPa   | 1250 ksi      | ASTM D790            |
| Izod Impact, Notched    | 0.780 J/cm | 1.46 ft-lb/in | ASTM D256            |

| Thermal Properties                             | Metric  | English   | Comments              |
|--|---|---|-----------------------|
| CTE, linear                                    | 18.0 - 58.0 Âµm/m-Â°C<br>@Temperature -30.0 -<br>30.0 Â°C | 10.0 - 32.2 Âµin/in-Â°F<br>@Temperature -22.0 -<br>86.0 Â°F | TMA                   |
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 255 Â°C<br>@Thickness 6.40 mm                             | 491 Â°F<br>@Thickness 0.252 in                              | unannealed; ASTM D648 |
| Flammability, UL94                             | V-0<br>@Thickness 0.800 mm                                | V-0<br>@Thickness 0.0315 in                                 | UL 94                 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

| Electrical Properties | Metric <small>1.00±16 ohm</small>   | English <small>1.00±16 ohm</small>  | Comments  |
|-----------------------|-------------------------------------|-------------------------------------|-----------|
| Dielectric Constant   | 3.3<br>@Frequency 50.0 - 60.0<br>Hz | 3.3<br>@Frequency 50.0 - 60.0<br>Hz | ASTM D150 |

## Contact Songhan Plastic Technology Co.,Ltd.

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