

## SABIC Innovative Plastics NORYL GN390 PPE+PS (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS)

### Material Notes:

Closed loop recycle grade for CANON, 13% PCR-PS loaded, HDT 90C, V-0/1.2mm

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-GN390-PPEPS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GN390-PPEPS-Asia-Pacific.php)

| Physical Properties         | Metric                                | English                               | Comments     |
|-----------------------------|---------------------------------------|---------------------------------------|--------------|
| Specific Gravity            | 1.11 g/cc                             | 1.11 g/cc                             | ASTM D792    |
| Water Absorption            | 0.070 %                               | 0.070 %                               | ASTM D570    |
|                             | @Time 86400 sec                       | @Time 24.0 hour                       |              |
| Linear Mold Shrinkage, Flow | 0.0050 - 0.0070 cm/cm                 | 0.0050 - 0.0070 in/in                 | SABIC Method |
|                             | @Thickness 3.20 mm                    | @Thickness 0.126 in                   |              |
| Melt Flow                   | 28 g/10 min                           | 28 g/10 min                           | ASTM D1238   |
|                             | @Load 10.0 kg,<br>Temperature 250 Â°C | @Load 22.0 lb,<br>Temperature 482 Â°F |              |

| Mechanical Properties   | Metric     | English       | Comments                     |
|-------------------------|------------|---------------|------------------------------|
| Tensile Strength, Yield | 63.0 MPa   | 9140 psi      | Type I, 50 mm/min; ASTM D638 |
| Elongation at Break     | 40 %       | 40 %          | Type I, 50 mm/min; ASTM D638 |
| Flexural Strength       | 85.0 MPa   | 12300 psi     | ASTM D790                    |
| Flexural Modulus        | 2.41 GPa   | 350 ksi       | ASTM D790                    |
| Izod Impact, Notched    | 0.880 J/cm | 1.65 ft-lb/in | ASTM D256                    |

| Thermal Properties                          | Metric             | English              | Comments              |
|---|--------------------|----------------------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 90.0 Â°C           | 194 Â°F              | unannealed; ASTM D648 |
|   | @Thickness 6.40 mm | @Thickness 0.252 in  |                       |
| UL RTI, Electrical                          | 80.0 Â°C           | 176 Â°F              | UL 746B               |
| UL RTI, Mechanical with Impact              | 80.0 Â°C           | 176 Â°F              | UL 746B               |
| UL RTI, Mechanical without Impact           | 80.0 Â°C           | 176 Â°F              | UL 746B               |
| Flammability, UL94                          | V-0                | V-0                  | UL 94                 |
|   | @Thickness 1.20 mm | @Thickness 0.0472 in |                       |
|   | 5VB                | 5VB                  |                       |

Thermal Properties

Metric  
@ Thickness 2.00 mm

English  
@ Thickness 0.0787 in

11.94  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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