

**SABIC Innovative Plastics Noryl EUN0240 PPE+HIPS (Asia Pacific)**

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS) , Polystyrene + Polyphenylene Ether, Unreinforced , Polystyrene, Impact Modified

**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-EUN0240-PPEHIPS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-EUN0240-PPEHIPS-Asia-Pacific.php)

| Physical Properties         | Metric                                      | English                                      | Comments     |
|-----------------------------|---|--|--------------|
| Specific Gravity            | 1.06 g/cc                                   | 1.06 g/cc                                    | ASTM D 792   |
| Water Absorption            | 0.070 %<br>@Time 86400 sec                  | 0.070 %<br>@Time 24.0 hour                   | ASTM D 570   |
| Linear Mold Shrinkage, Flow | 0.0050 - 0.0070 cm/cm<br>@Thickness 3.20 mm | 0.0050 - 0.0070 in/in<br>@Thickness 0.126 in | SABIC Method |

| Mechanical Properties   | Metric                                | English                                | Comments             |
|-------------------------|---------------------------------------|--|----------------------|
| Tensile Strength, Yield | 37.0 MPa                              | 5370 psi                               | SABIC - Japan Method |
| Elongation at Break     | 130 %                                 | 130 %                                  | SABIC - Japan Method |
| Flexural Strength       | 54.0 MPa                              | 7830 psi                               | ASTM D 790           |
| Flexural Modulus        | 2.05 GPa                              | 297 ksi                                | ASTM D 790           |
| Izod Impact, Notched    | 2.94 J/cm<br>@Temperature 23.0<br>Â°C | 5.51 ft-lb/in<br>@Temperature 73.4 Â°F | ASTM D 256           |

| Thermal Properties                             | Metric   | English  | Comments               |
|--|--|--|------------------------|
| CTE, linear                                    | 70.0 Âµm/m-Â°C<br>@Temperature -30.0 -<br>30.0 Â°C | 38.9 Âµin/in-Â°F<br>@Temperature -22.0 -<br>86.0 Â°F | TMA                    |
| Deflection Temperature at 0.46 MPa<br>(66 psi) | 110 Â°C<br>@Thickness 3.20 mm                      | 230 Â°F<br>@Thickness 0.126 in                       | unannealed; ASTM D 648 |

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