

SABIC Innovative Plastics NORYL PCN2615H PPE+PS (Asia Pacific)

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

Material Notes:

PPE+PS, Noryl, Glass Fiber, Mica, Flame Retardant, UL Grade, Non-Halogen Flame Retardant, High Flow,

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PCN2615H-PPEPS-Asia-Pacific.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|--------------|
| Specific Gravity | 1.39 g/cc | 1.39 g/cc | ASTM D792 |
| Melt Flow | 13.4 g/10 min @Load 2.16 kg, Temperature 300 °C | 13.4 g/10 min @Load 4.76 lb, Temperature 572 °F | ASTM D1238 |
| Spiral Flow | 655 cm @Thickness 3.00 mm | 258 in @Thickness 0.118 in | SABIC Method |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|---------------|---|
| Tensile Strength at Break | 97.0 MPa | 14100 psi | Type I, 10 mm/min; SABIC - Japan Method |
| Tensile Strength, Yield | 97.0 MPa | 14100 psi | Type I, 10 mm/min; SABIC - Japan Method |
| Elongation at Break | 6.0 % | 6.0 % | Type I, 10 mm/min; SABIC - Japan Method |
| Elongation at Yield | 6.0 % | 6.0 % | Type I, 10 mm/min; SABIC - Japan Method |
| Flexural Strength | 141 MPa | 20500 psi | ASTM D790 |
| Flexural Modulus | 8.40 GPa | 1220 ksi | ASTM D790 |
| Izod Impact, Notched | 0.540 J/cm | 1.01 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|--|---|--|-----------------------|
| CTE, linear, Parallel to Flow | 23.0 µm/m-°C @Temperature -40.0 - 40.0 °C | 12.8 µin/in-°F @Temperature -40.0 - 104 °F | ASTM E 831 |
| CTE, linear, Transverse to Flow | 52.8 µm/m-°C @Temperature -40.0 - 40.0 °C | 29.3 µin/in-°F @Temperature -40.0 - 104 °F | ASTM E 831 |
| Deflection Temperature at 1.8 MPa (264 psi) | 110 °C | 230 °F | unannealed; ASTM D648 |

| Thermal Properties | @Thickness 6.40 mm Metric | @Thickness 0.252 in English | Comments |
|--------------------|------------------------------|--------------------------------|----------|
| Flammability, UL94 | V-1 | V-1 | UL 94 |
| | @Thickness 2.00 mm | @Thickness 0.0787 in | |

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