

**SABIC Innovative Plastics NORYL INT2001 PPE+HIPS (Asia Pacific)**

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

**Material Notes:**

PPE+PS Unfilled for Auto Interior

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Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	6.6 g/10 min @Load 10.0 kg, Temperature 250 Â°C	6.6 g/10 min @Load 22.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 psi	SABIC - Japan Method
Elongation at Break	76 %	76 %	SABIC - Japan Method
Flexural Strength	75.0 MPa	10900 psi	ASTM D790
Flexural Modulus	2.09 GPa	303 ksi	ASTM D790
Izod Impact, Notched	2.36 J/cm	4.42 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	38.9 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	120 Â°C @Thickness 6.40 mm	248 Â°F @Thickness 0.252 in	unannealed; ASTM D648

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