

SABIC Innovative Plastics NORYL NWP100 PPE+HIPS (Asia Pacific)

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

Material Notes:

PPO/HIPS Unfilled high impact extrusion grade

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-NWP100-PPEHIPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 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
Melt Flow	8.5 g/10 min	8.5 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 Â°C	@Load 22.0 lb, Temperature 482 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	Type I, 10 mm/min; SABIC - Japan Method
Tensile Strength, Yield	49.0 MPa	7110 psi	Type I, 10 mm/min; SABIC - Japan Method
Flexural Yield Strength	74.0 MPa	10700 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.05 GPa	297 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	3.43 J/cm	6.43 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 Â°C	212 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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