

SABIC Innovative Plastics Noryl PKN4736 PPE+PS (Asia Pacific)

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

Material Notes:

PPE+PS. FDA compliant. High heat. Excellent ESCR. Extrusion. Microwavable. Food packaging uses. 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-PKN4736-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D 792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D 785
Tensile Strength at Break	55.0 MPa	7980 psi	Type I, 50 mm/min; ASTM D 638
Tensile Strength, Yield	64.0 MPa	9280 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	28 %	28 %	Type I, 50 mm/min; ASTM D 638
Elongation at Yield	9.5 %	9.5 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	99.0 MPa	14400 psi	2.6 mm/min, 100 mm span; ASTM D 790
Flexural Modulus	2.28 GPa	331 ksi	2.6 mm/min, 100 mm span; ASTM D 790
Izod Impact, Notched	0.960 J/cm @Temperature 23.0 Â°C	1.80 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	143 Â°C @Thickness 6.40 mm	289 Â°F @Thickness 0.252 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	129 Â°C @Thickness 6.40 mm	264 Â°F @Thickness 0.252 in	unannealed; ASTM D 648
Vicat Softening Point	155 Â°C	311 Â°F	Rate B/50; ASTM D 1525

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