

SABIC Innovative Plastics NORYL ZM3640 PPE+PS (Asia Pacific)

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

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-ZM3640-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 300 Â°C	24 g/10 min @Load 4.76 lb, Temperature 572 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	102 MPa	14800 psi	6.4 mm; ASTM D790
Flexural Modulus	4.62 GPa	670 ksi	6.4 mm; ASTM D790
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	42.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	23.3 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
CTE, linear, Transverse to Flow	48.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	26.7 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
Deflection Temperature at 1.8 MPa (264 psi)	103 Â°C @Thickness 6.40 mm	217 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Flammability, UL94	V-1 @Thickness 1.50 mm	V-1 @Thickness 0.0591 in	UL 94

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