

SABIC Innovative Plastics NORYL ZM3242 PPE+PS (Asia Pacific)

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

Material Notes:

Modified PPO* 30% mineral filled products, Non Halogenated Flame Retardant V-1 products. Supper low warpage series, HDT 110degC

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-ZM3242-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 3.20 mm	0.0040 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	27 g/10 min @Load 2.16 kg, Temperature 300 Â°C	27 g/10 min @Load 4.76 lb, Temperature 572 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	6.0 %	6.0 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	104 MPa	15100 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	5.77 GPa	837 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.230 J/cm	0.431 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	40.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	22.2 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
CTE, linear, Transverse to Flow	51.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	28.3 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C @Thickness 6.40 mm	230 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 by SABIC-IP

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