

SABIC Innovative Plastics LNP Thermocomp ZWM2411 PPE+PS (Asia Pacific)

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

Material Notes:

Modified PPO*, 30% mineral filled product, V-1@1.5mm, HDT 125degC, low warpage product, BK color only
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-LNP-Thermocomp-ZWM2411-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D 792
Moisture Absorption at Equilibrium	0.00 %	0.00 %	23Â°C / 50% RH; ISO 62
Water Absorption at Saturation	0.00 % @Temperature 23.0 Â°C	0.00 % @Temperature 73.4 Â°F	ISO 62
Linear Mold Shrinkage, Flow	0.0040 - 0.0050 cm/cm @Thickness 3.20 mm	0.0040 - 0.0050 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 300 Â°C	15 g/10 min @Load 4.76 lb, Temperature 572 Â°F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	7.0 %	7.0 %	Type I, 5 mm/min; ASTM D 638
Flexural Yield Strength	108 MPa	15700 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	5.27 GPa	764 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	0.290 J/cm @Temperature 23.0 Â°C	0.543 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

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	28.3 Âµin/in-Â°F	ASTM E 831

Thermal Properties	Metric @Temperature -40.0 - 40.0 Â°C	English @Temperature -40.0 - 104 Â°F	Comments
Deflection Temperature at 1.8 MPa (264 psi)	126 Â°C @Thickness 3.20 mm	259 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
Flammability, UL94	V-1 @Thickness 1.50 mm	V-1 @Thickness 0.0591 in	UL 94 by SABIC-IP

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