

## SABIC Innovative Plastics LNP THERMOCOMP ZX06323 PPE+HIPS (Asia Pacific)

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

### Material Notes:

This material is mineral filled PPO grade with high dielectric constant and low loss tangent

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-ZX06323-PPEHIPS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-ZX06323-PPEHIPS-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.95 g/cc	0.0704 lb/in <sup>3</sup>	ASTM D792
	1.95 g/cc	0.0704 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.100 %	0.100 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0064 cm/cm	0.0064 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0056 cm/cm	0.0056 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Melt Index of Compound	8.0 g/10 min	8.0 g/10 min	MVR [cm <sup>3</sup> /10 min]; ISO 1133
	@Load 5.00 kg, Temperature 300 °C	@Load 11.0 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	54.0 MPa	7830 psi	Type I, 5 mm/min; ASTM D638
	54.0 MPa	7830 psi	5 mm/min; ISO 527
Elongation at Break	4.2 %	4.2 %	Type I, 5 mm/min; ASTM D638
	4.7 %	4.7 %	5 mm/min; ISO 527
Tensile Modulus	4.08 GPa	592 ksi	1 mm/min; ISO 527
	4.14 GPa	600 ksi	5 mm/min; ASTM D638
Flexural Strength	102 MPa	14800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength	102 MPa	14800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	3.94 GPa	571 ksi	1.3 mm/min, 50 mm span; ASTM D790
	4.39 GPa	637 ksi	2 mm/min; ISO 178

Mechanical Properties	Metric /cm	English -lb/in	Comments
Izod Impact, Unnotched	2.94 J/cm	5.51 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	20.0 kJ/m <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	122 Â°C	252 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af
	122 Â°C	252 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	6.4	6.4	ASTM D2520 - Mth B
	@Frequency 9.00e+8 Hz	@Frequency 9.00e+8 Hz	
Dissipation Factor	0.0030	0.0030	ASTM D150
	@Frequency 9.00e+8 Hz	@Frequency 9.00e+8 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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