

SABIC Innovative Plastics LNP THERMOCOMP ZX08005 PPE+PS (Europe-Africa-Middle East)

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

Material Notes:

LNP* THERMOCOMP* ZX08005 is a Compound based on PPE + PS Blend resin, containing Mineral. Added features include: Improved Dielectric Properties.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-ZX08005-PPEPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	2.07 g/cc	0.0748 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	5 mm/min; ISO 527
Elongation at Break	4.4 %	4.4 %	5 mm/min; ISO 527
Tensile Modulus	3.40 GPa	493 ksi	1 mm/min; ISO 527
Flexural Yield Strength	105 MPa	15200 psi	2 mm/min; ISO 178
Flexural Modulus	4.60 GPa	667 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	17.0 kJ/m ²	8.09 ft-lb/in ²	80*10*4; ISO 180/1U

Electrical Properties	Metric	English	Comments
Dielectric Constant	6.16	6.16	IEC 60250
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
	6.47	6.47	
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	IEC 60250
	6.58	6.58	IEC 60250
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	
Dissipation Factor	0.0010	0.0010	IEC 60250
	@Frequency 5.00e+8 Hz	@Frequency 5.00e+8 Hz	
	0.0010	0.0010	

Electrical Properties	Metric	English	IEC 60250 Comments
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
	0.0010	0.0010	
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	IEC 60250

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