

LNP™ THERMOCOMP™ ZX08005 compound

Polyphenylene Ether + PS
SABIC Innovative Plastics Europe

Message:

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

General Information			
Filler / Reinforcement	Mineral		
Features	Good Electrical Properties		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.07	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ISO 527-2/1
Tensile Stress (Yield)	55.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.4	%	ISO 527-2/5
Flexural Modulus ¹	4600	MPa	ISO 178
Flexural Stress	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	17	kJ/m ²	ISO 180/1U
Electrical	Nominal Value		Test Method
Relative Permittivity			IEC 60250
100 MHz	6.58		
500 MHz	6.47		
1.00 GHz	6.16		
Dissipation Factor			IEC 60250
100 MHz	1.0E-3		
500 MHz	1.0E-3		
1.00 GHz	1.0E-3		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Rear Temperature	277 to 288	°C	
Middle Temperature	288 to 299	°C	
Front Temperature	299 to 310	°C	
Processing (Melt) Temp	299 to 304	°C	
Mold Temperature	82.2 to 110	°C	

Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm
NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	

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