

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 filler		
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 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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.20mm	140	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	130	°C	ASTM D648
Electrical	Nominal Value		Test Method
Relative Permittivity			IEC 60250
100 MHz	6.58		IEC 60250
500 MHz	6.47		IEC 60250
1.00 GHz	6.16		IEC 60250
Dissipation Factor			IEC 60250
100 MHz	1.0E-3		IEC 60250
500 MHz	1.0E-3		IEC 60250
1.00 GHz	1.0E-3		IEC 60250
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Rear Temperature	277 - 288	°C	
Middle Temperature	288 - 299	°C	
Front Temperature	299 - 310	°C	

Processing (Melt) Temp	299 - 304	°C
Mold Temperature	82.2 - 110	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 60	rpm

NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT