

LNP™ THERMOCOMP™ OF008 compound

Linear Polyphenylene Sulfide

SABIC Innovative Plastics

Message:

LNP THERMOCOMP OF008 is a compound based on PPS - Linear resin containing Glass Fiber.

Also known as: LNP* THERMOCOMP* Compound OF1008L

Product reorder name: OF008

General Information			
UL YellowCard	E45329-101344459	E45329-101344627	
Filler / Reinforcement	Glass fiber reinforced material		
Features	Linear polymer structure		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction: 24 hours	0.80 - 1.2	%	ISO 294-4
Flow direction: 24 hours	0.20 - 0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14400	MPa	ISO 527-2/1
Tensile Stress (Break)	159	MPa	ISO 527-2/5
Tensile Strain (Break)	1.4	%	ISO 527-2/5
Flexural Modulus ¹	12900	MPa	ISO 178
Flexural Stress	233	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	10	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	50	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, unannealed, 64.0mm span	278	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	252	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.4E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	4.5E-5	cm/cm/°C	ISO 11359-2
NOTE			
1.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		

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Recommended distributors for this material

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