

LNP™ THERMOTUF™ OF008EI compound

Polyphenylene Sulfide

SABIC Innovative Plastics Europe

Message:

LNP THERMOTUF OF008EI is a compound based on PPS-Linear resin, containing Glass Fiber. Added features include : High Impact and Easy Molding.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Moldability		
	High Impact Resistance		
	Linear Polymer Structure		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ISO 527-2/1
Tensile Stress (Break)	145	MPa	ISO 527-2/5
Tensile Strain (Break)	1.8	%	ISO 527-2/5
Flexural Modulus ¹	11000	MPa	ISO 178
Flexural Stress	210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	263	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.5E-5	cm/cm/°C	
Transverse : 23 to 60°C	4.7E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Rear Temperature	304 to 316	°C	
Middle Temperature	321 to 332	°C	
Front Temperature	332 to 343	°C	
Processing (Melt) Temp	316 to 321	°C	
Mold Temperature	138 to 166	°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	
4.	80*10*4 mm	

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