

LNP™ THERMOCOMP™ JF004 compound

Polyethersulfone

SABIC Innovative Plastics

Message:

LNP THERMOCOMP JF004 is a compound based on Polyethersulfone resin containing Glass Fiber.

Also known as: LNP* THERMOCOMP* Compound JF1004

Product reorder name: JF004

General Information			
UL YellowCard	E45329-101282591		
Filler / Reinforcement	Glass fiber reinforced material		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6700	MPa	ISO 527-2/1
Tensile Stress (Break)	118	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Flexural Modulus ¹	5900	MPa	ISO 178
Flexural Stress	175	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)	35	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, unannealed, 64.0mm span	218	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	218	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	2.2E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	5.1E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Test Method	
Flame Rating (0.500 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	121 - 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	343 - 354	°C	
Middle Temperature	360 - 371	°C	
Front Temperature	371 - 382	°C	
Processing (Melt) Temp	354 - 371	°C	

Mold Temperature	138 - 149	°C
Back Pressure	0.344 - 0.689	MPa
Screw Speed	60 - 100	rpm

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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