

LNP™ THERMOCOMP™ JF004E compound

Polyethersulfone

SABIC Innovative Plastics

Message:

LNP THERMOCOMP JF004E is a compound based on Polyethersulfone resin containing Glass Fiber. Added features of this material include: Easy Molding.

Also known as: LNP* THERMOCOMP* Compound JF-1004 EM

Product reorder name: JF004E

General Information			
UL YellowCard	E45329-101283859		
Filler / Reinforcement	Glass fiber reinforced material		
Features	Good formability		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.25 - 0.45	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7100	MPa	ISO 527-2/1
Tensile Stress (Break)	128	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Flexural Modulus ²	6000	MPa	ISO 178
Flexural Stress	178	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ³ (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, unannealed, 64.0mm span	223	°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	2.4E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	5.5E-5	cm/cm/°C	ISO 11359-2
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		

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