

LNP™ THERMOCOMP™ LF002 compound

Polyetheretherketone

SABIC Innovative Plastics

Message:

LNP THERMOCOMP LF002 is a compound based on Polyetheretherketone resin containing Glass Fiber.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5700	MPa	ISO 527-2/1
Tensile Stress (Yield)	97.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	3.3	%	ISO 527-2/5
Flexural Modulus ¹	4700	MPa	ISO 178
Flexural Stress	162	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	50	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	159	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	3.5E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	5.0E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	121 - 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	349 - 360	°C	
Middle Temperature	366 - 377	°C	
Front Temperature	382 - 393	°C	
Processing (Melt) Temp	382 - 388	°C	
Mold Temperature	138 - 166	°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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