

LNP™ THERMOCOMP™ JF006 compound

Polyethersulfone

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP JF006 is a compound based on Polyethersulfone resin containing Glass Fiber.

Also known as: LNP* THERMOCOMP* Compound JF-1006

Product reorder name: JF006

General Information			
UL YellowCard	E45329-101282591		
Filler / Reinforcement	Glass Fiber		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (345°C/10.0 kg)	10.0 to 20.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow ¹	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	142	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ²	8200	MPa	ISO 178
Flexural Stress	192	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	210	°C	ISO 75-2/Af
CLTE - Flow (23 to 60°C)	3.0E-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 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	343 to 354	°C	
Middle Temperature	360 to 371	°C	
Front Temperature	371 to 382	°C	
Processing (Melt) Temp	354 to 371	°C	
Mold Temperature	138 to 149	°C	

Back Pressure	0.344 to 0.689	MPa
Screw Speed	60 to 100	rpm

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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