

LNP™ THERMOCOMP™ EF006 compound

Polyether Imide

SABIC Innovative Plastics

Message:

LNP THERMOCOMP EF006 is a compound based on Polyetherimide resin containing Glass Fiber.

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

Product reorder name: EF006

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 - 0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10300	MPa	ISO 527-2/1
Tensile Stress (Yield)	169	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	9200	MPa	ISO 178
Flexural Stress	235	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	8.0	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			
0.45 MPa, unannealed, 64.0mm span	214	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	211	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.8E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	4.3E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	121 - 149	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	343 - 354	°C	
Middle Temperature	354 - 366	°C	
Front Temperature	366 - 377	°C	
Processing (Melt) Temp	360 - 366	°C	
Mold Temperature	121 - 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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