

LNP™ THERMOCOMP™ MFB63 compound

Polypropylene

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP MFB63 is a compound based on Polypropylene resin containing Glass Bead, Glass Fiber.

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber		
	Glass Fiber		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 to 0.50	%	Internal Method
Water Absorption (23°C, 24 hr)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5400	MPa	ISO 527-2/1
Tensile Stress (Yield)	64.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.3	%	ISO 527-2/5
Flexural Modulus ¹	4900	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	10	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, 64.0 mm Span	154	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	133	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	3.5E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.1E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	193 to 204	°C	
Middle Temperature	216 to 227	°C	
Front Temperature	238 to 249	°C	
Processing (Melt) Temp	227 to 249	°C	
Mold Temperature	32.2 to 48.9	°C	

Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm
NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	
4.	80*10*4 mm	

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