

LNP™ THERMOCOMP™ MFB82I compound

Polypropylene
SABIC Innovative Plastics Europe

Message:

LNP THERMOTUF MFB82I is a compound based on Polypropylene resin containing Glass Fiber, Glass Bead.
Also known as: LNP* THERMOCOMP* Compound MFX-100-10 MG-S
Product reorder name: MFB82I

General Information			
UL YellowCard	E45329-101282765		
Filler / Reinforcement	Glass Bead\Glass Fiber		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.10 to 0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2/1
Tensile Stress (Break)	50.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Flexural Modulus ²	3800	MPa	ISO 178
Flexural Stress	58.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	14	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	35	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	133	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	3.7E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.3E-4	cm/cm/°C	
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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