

LNP™ THERMOCOMP™ MB006HS compound

Polypropylene
SABIC Innovative Plastics

Message:

LNP THERMOCOMP MB006HS is a compound based on Polypropylene resin containing 30% Glass Bead. Added features of this material include: Heat Stabilized, Healthcare.

Also known as: LNP* THERMOCOMP* Compound MB-1006 HS HC

Product reorder name: MB006HS

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2590	MPa	ASTM D638
Tensile Strength (Break)	28.3	MPa	ASTM D638
Tensile Elongation (Break)	23	%	ASTM D638
Flexural Modulus	2040	MPa	ASTM D790
Flexural Strength	41.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256
Unnotched Izod Impact (23°C)	230	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	63.9	°C	ASTM D648
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			

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Recommended distributors for this material

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