

LNP™ THERMOCOMP™ PB006SXS

compound

Polyamide 6

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP PB006SXS is a compound based on PA 6 resin containing Glass Bead. Added features include: Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound PB-1006 HS

Product reorder name: PB006SXS

General Information			
Filler / Reinforcement	Glass Bead		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.4 to 1.6	%	Internal Method
Water Absorption (23°C, 24 hr)	2.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	75.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	5.0 to 7.0	%	ISO 527-2/5
Flexural Modulus ¹	3600	MPa	ISO 178
Flexural Stress	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	152	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	61.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	249 to 260	°C	
Middle Temperature	266 to 277	°C	
Front Temperature	277 to 288	°C	
Processing (Melt) Temp	266 to 277	°C	

Mold Temperature	82.2 to 93.3	°C
Back Pressure	0.344 to 0.689	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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