

LNP™ THERMOCOMP™ WB006 compound

Polybutylene Terephthalate

SABIC Innovative Plastics

Message:

LNP THERMOCOMP WB006 is a compound based on Polybutylene Terephthalate resin containing Glass Bead.

General Information			
Filler / Reinforcement	Glass beads		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Molding Shrinkage - Flow	2.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	44.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus ¹	3300	MPa	ISO 178
Flexural Stress	81.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	83.0	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm, Testing by SABIC)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	221 - 232	°C	
Middle Temperature	243 - 254	°C	
Front Temperature	260 - 271	°C	
Processing (Melt) Temp	238 - 266	°C	
Mold Temperature	82.2 - 98.9	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 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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