

LNP™ THERMOCOMP™ KB008 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics

Message:

LNP THERMOCOMP* KB008 is a compound based on Acetal Copolymer resin containing 40% Glass Bead.

Also known as: LNP* THERMOCOMP* Compound KB-1008

Product reorder name: KB008

General Information			
Filler / Reinforcement	Glass Bead,40% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm ³	ISO 1183
Molding Shrinkage - Flow	2.2	%	Internal Method
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4600	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	4800	MPa	ISO 178
Flexural Stress	71.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	10	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	150	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	108	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	9.3E-5	cm/cm/°C	
Transverse : 23 to 60°C	8.8E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	177 to 188	°C	
Middle Temperature	193 to 204	°C	
Front Temperature	210 to 221	°C	
Processing (Melt) Temp	199 to 216	°C	
Mold Temperature	82.2 to 110	°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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