

LNP™ THERMOCOMP™ KF008 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP KF008 is a compound based on Acetal Copolymer resin containing Glass Fiber.

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

Product reorder name: KF008

General Information			
Filler / Reinforcement	Glass Fiber		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30 to 0.70	%	Internal Method
Water Absorption (23°C, 24 hr)	3.0E-3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	131	MPa	ISO 527-2/5
Tensile Strain (Break)	2.2	%	ISO 527-2/5
Flexural Modulus ¹	9600	MPa	ISO 178
Flexural Stress	179	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	35	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	165	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	164	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	4.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	8.6E-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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