

LNP™ THERMOCOMP™ KF004 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics

Message:

LNP THERMOCOMP KF004 is a compound based on Acetal Copolymer containing Glass Fiber. Added features include : Chemically Coupled.

Also known as: LNP* THERMOCOMP* Compound KFX1004

Product reorder name: KF004

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Chemical coupling		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.54	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.50	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7200	MPa	ISO 527-2/1
Tensile Stress (Break)	104	MPa	ISO 527-2/5
Tensile Strain (Yield)	2.3	%	ISO 527-2/5
Flexural Modulus ¹	5500	MPa	ISO 178
Flexural Stress	122	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	7.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	157	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	6.3E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.1E-4	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	177 - 188	°C	
Middle Temperature	193 - 204	°C	
Front Temperature	210 - 221	°C	
Processing (Melt) Temp	199 - 216	°C	
Mold Temperature	82.2 - 110	°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 mm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

