

LNP™ THERMOCOMP™ KF006 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics

Message:

LNP THERMOCOMP KF006 is a compound based on Acetal Copolymer resin containing Glass Fiber

Also known as: LNP* THERMOCOMP* Compound KFX-1006

Product reorder name: KF006

General Information			
UL YellowCard	E45329-101284424		
Filler / Reinforcement	Glass fiber reinforced material		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.62	g/cm ³	ISO 1183
Molding Shrinkage			Internal method
Flow	0.50 - 0.80	%	Internal method
Transverse flow	0.80 - 1.1	%	Internal method
Water Absorption (23°C, 24 hr)	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9200	MPa	ISO 527-2/1
Tensile Stress (Yield)	125	MPa	ISO 527-2/5
Tensile Strain (Break)	2.9	%	ISO 527-2/5
Flexural Modulus ¹	7400	MPa	ISO 178
Flexural Stress	163	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	9.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, unannealed, 64.0mm span	164	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	161	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	3.2E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	9.6E-5	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 |
| 4. | 80*10*4 mm |

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