

LNP™ THERMOCOMP™ PF00C compound

Polyamide 6

SABIC Innovative Plastics

Message:

LNP THERMOCOMP PF00C is a compound based on PA6 resin containing Glass Fiber.

General Information			
UL YellowCard	E45329-101344682		
Filler / Reinforcement	Glass fiber reinforced material		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.72	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20400	MPa	ISO 527-2/1
Tensile Stress (Yield)	206	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	16700	MPa	ISO 178
Flexural Stress ²			ISO 178
-- ³	312	MPa	ISO 178
-- ⁴	307	MPa	ISO 178
Flexural Strain at Break ⁵	3.7	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁶ (23°C)	13	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁷ (23°C)	90	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁸			
0.45 MPa, unannealed, 64.0mm span	219	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	206	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.7E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	6.5E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	249 - 260	°C	

Middle Temperature	266 - 277	°C
Front Temperature	277 - 288	°C
Processing (Melt) Temp	266 - 277	°C
Mold Temperature	82.2 - 93.3	°C
Back Pressure	0.344 - 0.689	MPa
Screw Speed	30 - 60	rpm

NOTE

1.	2.0 mm/min
2.	2.0 mm/min
3.	Yield
4.	Break
5.	2 mm/min
6.	80*10*4
7.	80*10*4
8.	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



WECHAT