

LNP™ THERMOCOMP™ PF00DS-BK1G298

compound

Polyamide 6

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP* PF00DS is a compound based on PA6 resin containing Glass Fiber. Added features of this material include: Heat Stabilized. Custom color Black.

Also known as: LNP* THERMOCOMP* Compound PF10013HS

Product reorder name: PF00DS-BK1G298

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	heat stabilizer		
Features	Thermal Stability		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 - 0.20	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	235	MPa	ISO 527-2/5
Tensile Strain (Break)	1.8	%	ISO 527-2/5
Flexural Modulus ¹	19000	MPa	ISO 178
Flexural Stress	335	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	15	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	65	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 100 mm Span)	220	°C	ISO 75-2/Ae
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.0E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	6.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.8 mm, Testing by SABIC)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82	°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 - 93	°C
Back Pressure	0.344 - 0.689	MPa
Screw Speed	30 - 60	rpm

NOTE

- | | |
|----|-------------|
| 1. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 120*10*4 mm |

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