

LNP™ THERMOCOMP™ RF00CSXP

compound

Polyamide

SABIC Innovative Plastics Europe

Message:

LNP* THERMOCOMP* RF00CSXP is a compound based on Nylon 66 resin, containing Glass Fiber. Added features of this material include: Heat Stabilized
Also known as: LNP* THERMOCOMP* Compound RF-100-12 HS
Product reorder name: RF00CSXP

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.72	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20000	MPa	ISO 527-2/1
Tensile Stress (Yield)	226	MPa	ISO 527-2/5
Tensile Strain (Break)	2.4	%	ISO 527-2/5
Flexural Modulus ¹	17500	MPa	ISO 178
Flexural Stress	317	MPa	ISO 178
Flexural Strain at Break ²	2.7	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	14	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	55	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	258	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	250	°C	ISO 75-2/ Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.5E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.3E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	

Suggested Max Moisture	0.15 to 0.25	%
Rear Temperature	266 to 277	°C
Middle Temperature	282 to 293	°C
Front Temperature	293 to 304	°C
Processing (Melt) Temp	282 to 304	°C
Mold Temperature	93.3 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

1. 2.0 mm/min
2. 2 mm/min
3. 80*10*4
4. 80*10*4
5. 80*10*4 mm

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Recommended distributors for this material

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