

LNP™ THERMOCOMP™ RF00CSXS

compound

Polyamide 66

SABIC Innovative Plastics Asia Pacific

Message:

LNP* THERMOCOMP* RF00CSXS 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 RF10012HS
Product reorder name: RF00CSXS

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	heat stabilizer		
Features	Thermal Stability		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 - 0.30	%	Internal method
Water Absorption (23°C, 24 hr)	0.46	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20000	MPa	ISO 527-2/1
Tensile Stress (Yield)	223	MPa	ISO 527-2/5
Tensile Strain (Break)	2.3	%	ISO 527-2/5
Flexural Modulus ¹	15000	MPa	ISO 178
Flexural Stress	270	MPa	ISO 178
Flexural Strain at Break ²	2.4	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ³ (23°C)	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	45	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, unannealed, 64.0mm span	256	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	244	°C	ISO 75-2/ Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	2.3E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	4.9E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	

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