

LNP™ THERMOCOMP™ RF00CSXZ

compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP THERMOCOMP RF00CSXZ is a compound based on Recycled Nylon 66 resin containing 60% Glass Fiber. Added features of this material include: Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound RF-100-12 HS

Product reorder name: RF00CSXZ

General Information			
Filler / Reinforcement	Glass Fiber,60% Filler by Weight		
Additive	Heat Stabilizer		
Recycled Content	Yes		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.72	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.30	%	ASTM D955
Across Flow : 24 hr	0.40	%	ASTM D955
Across Flow : 24 hr	0.44	%	ISO 294-4
Flow : 24 hr	0.29	%	ISO 294-4
Water Absorption (24 hr, 50% RH)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- 1	21400	MPa	ASTM D638
--	21400	MPa	ISO 527-2/1
Tensile Strength			
Yield	254	MPa	ASTM D638
Yield	253	MPa	ISO 527-2
Break	254	MPa	ASTM D638
Break	253	MPa	ISO 527-2
Tensile Elongation			
Yield	2.2	%	ASTM D638
Yield	2.1	%	ISO 527-2
Break	2.2	%	ASTM D638
Break	2.1	%	ISO 527-2
Flexural Modulus			
--	19300	MPa	ASTM D790

--	20000	MPa	ISO 178
Flexural Strength			
--	359	MPa	ASTM D790
--	375	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	160	J/m	ASTM D256
23°C ²	19	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	1200	J/m	ASTM D4812
23°C ³	77	kJ/m ²	ISO 180/1U
Instrumented Dart Impact (23°C, Energy at Peak Load)	10.3	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	260	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁴	260	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	255	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	254	°C	ISO 75-2/Af
CLTE			ASTM E831, ISO 11359-2
Flow : -40 to 40°C	3.8E-5	cm/cm/°C	
Transverse : -40 to 40°C	1.6E-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.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	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