

LNP™ THERMOCOMP™ RF006XXZ compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP THERMOCOMP* RF006XXZ is a compound based on Nylon 66 resin containing 30% Glass Fiber

Also known as: LNP* THERMOCOMP* Compound RF-1006

Product reorder name: RF006XXZ

General Information			
UL YellowCard	E121562-101282588		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.40	g/cm ³	ASTM D792
--	1.39	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow : 24 hr	0.30 to 0.50	%	
Across Flow : 24 hr	1.4 to 1.6	%	
Water Absorption			
24 hr, 50% RH	0.69	%	ASTM D570
Equilibrium, 23°C, 50% RH	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	10700	MPa	ASTM D638
--	8980	MPa	ISO 527-2/1
Flexural Modulus	9440	MPa	ASTM D790
Flexural Strength	235	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.71		
vs. Itself - Static	0.57		
Wear Factor - Washer	75.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	58	J/m	ASTM D256
23°C ²	7.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	650	J/m	ASTM D4812
23°C ³	52	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	6.50	J	ASTM D3763

--	2.57	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	265	°C	ASTM D648
1.8 MPa, Unannealed, 3.20 mm	255	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁴	243	°C	ISO 75-2/Af
CLTE			ASTM E831, ISO 11359-2
Flow : -40 to 40°C	3.0E-5	cm/cm/°C	
Transverse : -40 to 40°C	7.3E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, Testing by SABIC)	HB		UL 94
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		

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