

LNP™ THERMOCOMP™ JF004RXP compound

Polyethersulfone

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP JF004RXP is a compound based on Polyethersulfone resin containing Glass Fiber. Added features of this material include: Mold Release.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Mold Release		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.25 to 0.45	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7100	MPa	ISO 527-2/1
Tensile Stress (Break)	122	MPa	ISO 527-2/5
Tensile Strain (Break)	2.4	%	ISO 527-2/5
Flexural Modulus ²	6000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	35	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	223	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	219	°C	ISO 75-2/Af
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
0.800 mm	V-0		
0.800 mm, Testing by SABIC	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	343 to 354	°C	
Middle Temperature	360 to 371	°C	
Front Temperature	371 to 382	°C	
Processing (Melt) Temp	354 to 371	°C	
Mold Temperature	138 to 149	°C	

Back Pressure	0.344 to 0.689	MPa
Screw Speed	60 to 100	rpm

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

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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



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