

LNP™ THERMOCOMP™ JF008E compound

Polyethersulfone

SABIC Innovative Plastics

Message:

LNP THERMOCOMP JF008E is a compound based on Polyethersulfone containing 40% Glass Fiber. Characteristics of this grade are: Easy Molding.

Also known as: LNP* THERMOCOMP* Compound JF-1008 EM

Product reorder name: JF008E

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Good Moldability		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.69	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.10 to 0.30	%	
Across Flow : 24 hr	0.50 to 0.70	%	
Water Absorption			
24 hr, 50% RH	0.32	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.49	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	15400	MPa	ASTM D638
--	13800	MPa	ISO 527-2/1
Tensile Strength			
Yield ²	152	MPa	ASTM D638
Yield	146	MPa	ISO 527-2/5
Break ³	152	MPa	ASTM D638
Break	146	MPa	ISO 527-2/5
Tensile Elongation			
Yield ⁴	1.8	%	ASTM D638
Yield	1.5	%	ISO 527-2/5
Break ⁵	1.8	%	ASTM D638
Break	1.5	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁶	12300	MPa	ASTM D790
-- ⁷	12200	MPa	ISO 178
Flexural Stress			
--	207	MPa	ISO 178
Yield, 50.0 mm Span ⁸	209	MPa	ASTM D790
Break, 50.0 mm Span ⁹	208	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	77	J/m	ASTM D256
23°C ¹⁰	7.2	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	570	J/m	ASTM D4812
23°C ¹¹	35	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	13.3	J	ASTM D3763
--	2.42	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	212	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ¹²	231	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	207	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹³	211	°C	ISO 75-2/Af
CLTE			ASTM D696
Flow : -30 to 30°C	5.0E-6	cm/cm/°C	
Transverse : -30 to 30°C	1.0E-6	cm/cm/°C	
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.	50 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	Type I, 5.0 mm/min		
5.	Type I, 5.0 mm/min		
6.	1.3 mm/min		
7.	2.0 mm/min		
8.	1.3 mm/min		
9.	1.3 mm/min		
10.	80*10*4		
11.	80*10*4		

12.	80*10*4 mm
13.	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

