

LNP™ THERMOCOMP™ GX94043L compound

Polysulfone

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP GX94043L is a compound based on Polysulfone resin containing Mineral.

Also known as: LNP* THERMOCOMP* Compound PDX-G-94043

Product reorder name: GX94043L

General Information			
Filler / Reinforcement	Mineral		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.35	%	
Flow : 24 hr	0.25	%	
Water Absorption (23°C, 24 hr)	0.28	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2/1
Tensile Stress (Yield)	72.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.3	%	ISO 527-2/5
Flexural Modulus ¹	3800	MPa	ISO 178
Flexural Stress	119	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	50	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	176	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	4.7E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.0E-5	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	327 to 338	°C	
Middle Temperature	338 to 349	°C	
Front Temperature	349 to 360	°C	
Processing (Melt) Temp	360 to 371	°C	

Mold Temperature	149	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

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

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