LNP™ THERMOCOMP™ LC004XXP compound

Polyetheretherketone

SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP LC004XXP is a compound based on Polyetheretherketone resin containing Carbon Fiber. Added features include; Electrically Conductive.
Also known as: LNP* THERMOCOMP* Compound LC-1004 NAT
Product reorder name: LC004XXP

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Electrically Conductive		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.36	g/cm³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.30	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	199	MPa	ISO 527-2/5
Tensile Strain (Break)	1.9	%	ISO 527-2/5
Flexural Modulus [1]	13900	MPa	ISO 178
Flexural Stress	280	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength [2] (23°C)	10	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength [3] (23°C)	45	kJ/m²	ISO 180/1U
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
Injection	**Nominal Value**	**Unit**	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	349 to 360	°C	
Middle Temperature	366 to 377	°C	
Front Temperature	382 to 393	°C	
Processing (Melt) Temp	382 to 388	°C	
Mold Temperature	138 to 166	°C	
Back Pressure	0.344 to 0.689	MPa	
Screw Speed	60 to 100	rpm	
NOTE			
1.	2.0 mm/min		
2.	80*10*4		

3.	80*10*4

Recommended distributors for this material

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