

LNP™ THERMOCOMP™ DC004E compound

Polycarbonate
SABIC Innovative Plastics Europe

Message:

LNP THERMOCOMP DC004E is a compound based on Polycarbonate resin containing Carbon Fiber. Added features of this material include: Easy Molding.
Also known as: LNP* THERMOCOMP* Compound DC-1004 EM
Product reorder name: DC004E

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Good Moldability		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.10 to 0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12200	MPa	ISO 527-2/1
Tensile Stress (Break)	165	MPa	ISO 527-2/5
Tensile Strain (Break)	2.1	%	ISO 527-2/5
Flexural Modulus ²	11900	MPa	ISO 178
Flexural Stress	227	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	141	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	136	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	9.0E-6	cm/cm/°C	
Transverse : 23 to 60°C	6.5E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+3	ohms	ASTM D257
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

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