

LNP™ STAT-KON™ RE004 compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP STAT-KON RE004 is a compound based on Nylon 66 resin containing Carbon Fiber. Added features of this material include: Electrically Conductive.
Also known as: LNP* STAT-KON* Compound RC1004
Product reorder name: RE004

General Information			
UL YellowCard	E45329-101338754		
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Conductivity		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	218	MPa	ISO 527-2/5
Tensile Strain (Break)	1.6	%	ISO 527-2/5
Flexural Modulus ¹	12300	MPa	ISO 178
Flexural Stress	305	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	10	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, 100 mm Span)	> 220	°C	ISO 75-2/Ae
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.2E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.1E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 - 1.0E+4	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	120*10*4 mm		

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