

LNP™ STAT-KON™ RC008 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON RC008 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 RC1008

Product reorder name: RC008

General Information			
UL YellowCard	E45329-101282592		
Filler / Reinforcement	Carbon Fiber		
Features	Electrically Conductive		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	27400	MPa	ISO 527-2/1
Tensile Stress (Break)	260	MPa	ISO 527-2/5
Tensile Strain (Break)	1.5	%	ISO 527-2/5
Flexural Modulus ¹	23300	MPa	ISO 178
Flexural Stress	358	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	56	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed, 64.0 mm Span ⁴	260	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 100 mm Span ⁵	252	°C	ISO 75-2/Ae
CLTE			ISO 11359-2
Flow : 23 to 60°C	7.0E-6	cm/cm/°C	
Transverse : 23 to 60°C	7.8E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+3	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	249 to 260	°C	

Middle Temperature	254 to 266	°C
Front Temperature	260 to 271	°C
Processing (Melt) Temp	254 to 288	°C
Mold Temperature	37.8 to 65.6	°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 |
| 5. | 120*10*4 mm |

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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

