

LNP™ STAT-KON™ RE008 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP STAT-KON RE008 is a compound based on Nylon 66 containing 40% Carbon Fiber. Characteristics of this grade include: Electrically Conductive.

Also known as: LNP* STAT-KON* Compound EMI-X RC-1008

Product reorder name: RE008

General Information			
UL YellowCard	E121562-101282584		
Filler / Reinforcement	Carbon Fiber,40% Filler by Weight		
Features	Electrically Conductive		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	33300	MPa	ASTM D638
Tensile Strength ² (Break)	259	MPa	ASTM D638
Tensile Strain			
Yield	250	%	ISO 527-2/5
Break ³	1.3	%	ASTM D638
Flexural Modulus			
50.0 mm Span ⁴	25600	MPa	ASTM D790
-- ⁵	25000	MPa	ISO 178
Flexural Strength ⁶ (Break, 50.0 mm Span)	390	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	120	J/m	ASTM D256
23°C ⁷	8.1	kJ/m ²	ISO 180/1A
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	256	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁸	255	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+4	ohms	ASTM D257
Injection	Nominal Value	Unit	Test Method
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	266 to 277	°C	

Middle Temperature	282 to 293	°C
Front Temperature	293 to 304	°C
Processing (Melt) Temp	282 to 304	°C
Mold Temperature	93.3 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

1.	5.0 mm/min
2.	Type I, 5.0 mm/min
3.	Type I, 5.0 mm/min
4.	1.3 mm/min
5.	2.0 mm/min
6.	1.3 mm/min
7.	80*10*4
8.	80*10*4 mm

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