

LNP™ STAT-KON™ RE004 compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP STAT-KON RE004 is a compound based on Nylon 66 resin containing 20% Carbon Fiber. Added features of this material include: Electrically Conductive.
Also known as: LNP* STAT-KON* Compound RC-1004
Product reorder name: RE004

General Information			
UL YellowCard	E121562-101281617		
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Features	Electrically Conductive		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Break	219	MPa	ASTM D638
Break	233	MPa	ISO 527-2
Tensile Elongation			
Break	4.3	%	ASTM D638
Break	2.9	%	ISO 527-2
Flexural Modulus			
--	12300	MPa	ASTM D790
--	14600	MPa	ISO 178
Flexural Strength			
--	312	MPa	ASTM D790
--	337	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	64	J/m	ASTM D256
23°C ¹	8.9	kJ/m²	ISO 180/1A
Unnotched Izod Impact			
23°C	520	J/m	ASTM D4812
23°C ²	55	kJ/m²	ISO 180/1U
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, Testing by SABIC)	HB		UL 94
Injection	Nominal Value	Unit	

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. 80*10*4
2. 80*10*4

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Recommended distributors for this material

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