

LNP™ STAT-KON™ RE006 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP STAT-KON RE006 is a compound based on Nylon 66 containing carbon fiber. Added features of this material include: Electrically Conductive. Also known as STAT-KON RC-1006

Also known as: LNP* STAT-KON* Compound RC-1006

Product Reorder name: RE006

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Conductivity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 24 hours	0.10	%	ASTM D955
Transverse flow: 24 hours	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	273	MPa	ASTM D638
Tensile Elongation ² (Break)	1.9	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	21000	MPa	ASTM D790
Flexural Strength ⁴ (Break, 50.0 mm Span)	407	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	1200	J/m	ASTM D256
Unnotched Izod Impact (23°C)	110	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	252	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	266 - 277	°C	
Middle Temperature	282 - 293	°C	
Front Temperature	293 - 304	°C	
Processing (Melt) Temp	282 - 304	°C	
Mold Temperature	93.3 - 110	°C	
Back Pressure	0.172 - 0.344	MPa	

Screw Speed	30 - 60	rpm
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NOTE

1.	Type 1, 5.0 mm/min
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3.	1.3 mm/min
4.	1.3 mm/min

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