LNP™ STAT-KON™ RFD02 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP STAT-KON RFD02 is a compound based on Nylon 66 resin containing 10% Glass Fiber. Added features of this material include: Electrically Conductive.
Also known as: LNP* STAT-KON* Compound RF
Product reorder name: RFD02

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Electrically Conductive		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.30	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow : 24 hr	1.0 to 1.2	%	ASTM D955
Across Flow : 24 hr	1.4 to 1.6	%	ASTM D955
Across Flow : 24 hr	1.5	%	ISO 294-4
Flow : 24 hr	1.1	%	ISO 294-4
Water Absorption (24 hr, 50% RH)	0.50	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
-- [1]	8270	MPa	ASTM D638
--	7400	MPa	ISO 527-2/1
Tensile Strength			
Break	77.9	MPa	ASTM D638
Break	74.0	MPa	ISO 527-2
Tensile Elongation			
Break	5.5	%	ASTM D638
Break	5.2	%	ISO 527-2
Flexural Modulus			
--	5520	MPa	ASTM D790
--	6300	MPa	ISO 178
Flexural Strength			
--	131	MPa	ASTM D790
--	139	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C	37	J/m	ASTM D256
23°C [2]	3.2	kJ/m²	ISO 180/1A

Unnotched Izod Impact			
23°C	210	J/m	ASTM D4812
23°C [3]	14	kJ/m²	ISO 180/1U
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	252	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span [4]	256	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	237	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span [5]	239	°C	ISO 75-2/Af
CLTE			
Flow : -40 to 40°C	6.8E-5	cm/cm/°C	ASTM E831
Flow : -40 to 40°C	6.9E-5	cm/cm/°C	ISO 11359-2
Transverse : -40 to 40°C	4.7E-5	cm/cm/°C	ASTM E831
Transverse : -40 to 40°C	4.8E-5	cm/cm/°C	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+2 to 1.0E+5	ohms	ASTM D257
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.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	80*10*4 mm		

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