

LNP™ STAT-KON™ CD000 compound

High Impact Polystyrene
SABIC Innovative Plastics Europe

Message:

LNP STAT-KON CD000 is a compound based on Polystyrene resin containing Carbon Powder. Added features of this material include: Electrically Conductive.
Also known as: LNP* STAT-KON* Compound CE
Product reorder name: CD000

General Information			
Filler / Reinforcement	Carbon Powder		
Features	Electrically Conductive		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.70 to 1.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	26.0	MPa	ISO 527-2/5
Tensile Strain (Break)	> 10	%	ISO 527-2/5
Flexural Modulus ¹	1400	MPa	ISO 178
Flexural Stress	37.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	11	kJ/m ²	ISO 180/1A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+5	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	221 to 232	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	266 to 277	°C	
Processing (Melt) Temp	249	°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		

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Recommended distributors for this material

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