

LNP™ STAT-KON™ MD000I compound

Polypropylene

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON MD000I is a compound based on Polypropylene resin. Added features of this material include: Electrically Conductive, High Impact.

Also known as: LNP* STAT-KON* Compound M1HI

Product reorder name: MD000I

General Information			
UL YellowCard	E45329-101282741		
Features	Electrically Conductive		
	High Impact Resistance		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/5
Yield	27.0	MPa	
Break	16.0	MPa	
Tensile Strain			ISO 527-2/5
Yield	4.3	%	
Break	24	%	
Flexural Modulus ¹	1600	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	60	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	110	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	61.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.3E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.5E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	

Rear Temperature	193 to 204	°C
Middle Temperature	216 to 227	°C
Front Temperature	238 to 249	°C
Processing (Melt) Temp	227 to 249	°C
Mold Temperature	32.2 to 48.9	°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 |
| 3. | 80*10*4 |
| 4. | 80*10*4 mm |

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