LNP™ STAT-KON™ COMPOUND CD000

CE

DESCRIPTION

LNP STAT-KON CD000 is a compound based on Polystyrene resin containing Carbon Powder. Added features of this material include: Electrically Conductive.

TYPICAL PROPERTY VALUES

Revision 20191212

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 5 mm/min	26	MPa	ISO 527
Tensile Strain, break, 5 mm/min	>10	%	ISO 527
Flexural Stress, break, 2 mm/min	37	MPa	ISO 178
Flexural Modulus, 2 mm/min	1400	MPa	ISO 178
IMPACT			
Izod Impact, notched 80*10*4 +23°C	11	kJ/m²	ISO 180/1A
PHYSICAL			
Mold Shrinkage, flow	0.7 – 1	%	SABIC method
Density	1.12	g/cm³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+03 – 1.E+05	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Melt Temperature	250	°C	
Front - Zone 3 Temperature	265 – 275	°C	
Middle - Zone 2 Temperature	245 – 255	°C	
Rear - Zone 1 Temperature	220 – 230	°C	
Mold Temperature	40 – 65	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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