LNP™ STAT-KON™ COMPOUND RX10004

RX10004

DESCRIPTION

LNP STAT-KON RX10004 is a compound based on PA66 resin, containing Glass Fiber and Carbon Fiber. Added features are: Electrically Conductive, Easy Molding

TYPICAL PROPERTY VALUES

Revision 20191210

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	230	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.8	%	ISO 527
Tensile Modulus, 1 mm/min	18900	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	334	MPa	ISO 178
Flexural Modulus, 2 mm/min	16900	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	93	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	14	kJ/m²	ISO 180/1A
PHYSICAL			
Mold Shrinkage, flow	0.2 – 0.4	%	SABIC method
Density	1.54	g/cm³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+05 – 1.E+07	Ohm	ASTM D 257
INJECTION MOLDING			
Drying Temperature	120	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	305 – 325	°C	
Front - Zone 3 Temperature	320 – 330	°C	
Middle - Zone 2 Temperature	310 – 320	°C	
Rear - Zone 1 Temperature	295 – 305	°C	
Mold Temperature	80 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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