

Product Texts

LNP STAT-KON RX10004 compound is based on Nylon 6/6 resin containing carbon fiber and 40% glass fiber. Added features of this grade include: Electrically Conductive, Easy Molding.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	18900	MPa	ISO 527
Yield stress	230	MPa	ISO 527
Strain at break	2.8	%	ISO 527
Flexural modulus	16900	MPa	ISO 178
Izod impact strength, +23°C, 4mm	93	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	14	kJ/m ²	ISO 180/1A

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E7	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1540	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity