

Product Texts

LNP STAT-KON RE004 compound is based on Nylon 6/6 resin containing 20% carbon fiber. Added features of this grade include: Electrically Conductive.

UL Yellow Card Link [E121562-101281617](https://www.ul.com/yellow-card/E121562-101281617)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	233	MPa	ISO 527
Strain at break	2.9	%	ISO 527
Flexural modulus	14600	MPa	ISO 178
Flexural strength	337	MPa	ISO 178
Izod impact strength, +23°C, 4mm	52	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Strength at Break	219	MPa	ASTM D 638
Elongation at Break	4.3	%	ASTM D 638
Flexural Modulus	12340	MPa	ASTM D 790
Flexural Strength	312	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	523	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1250	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.25	%	-
Melt temperature	280 - 305	°C	-
Mold temperature	95 - 110	°C	-
Zone 1	265 - 275	°C	-
Zone 2	280 - 295	°C	-
Zone 3	295 - 305	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Special Characteristics

Increased electrical conductivity