

Product Texts

LNP STAT-KON RE008 compound is based on Nylon 6/6 resin containing 40% carbon fiber. Added features of this grade include: Electrically Conductive.

UL Yellow Card Link [E121562-101282584](https://www.ul.com/yellow-card/E121562-101282584)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield strain	252	%	ISO 527
Flexural modulus	25000	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	8	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	33330	MPa	ASTM D 638
Tensile Strength at Break	259	MPa	ASTM D 638
Elongation at Break	1.3	%	ASTM D 638
Flexural Modulus	25580	MPa	ASTM D 790
Izod Impact notched, 1/8 in	116	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1070	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	255	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB 1.5	class mm	IEC 60695-11-10 -
ASTM Data			
DTUL @ 264 psi	256	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	10000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1320	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, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity