

Product Texts

LNP STAT-KON EX12310C compound is based on Polyetherimide (PEI) resin containing 10% carbon fiber. Added features of this grade include: LNP Clean Compounding Technology, Low C18-C40 Hydrocarbons, Electrically Conductive, Dimensional Stability.

UL Yellow Card Link [E207780-101997197](https://www.ul.com/yellow-card/E207780-101997197)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	31	g/10min	ASTM D 1238
Temperature	367	°C	-
Load	6.6	kg	-
Mold Shrinkage, MD	0.3	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.6	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8970	MPa	ISO 527
Stress at break	156	MPa	ISO 527
Strain at break	2.3	%	ISO 527
Flexural modulus	8410	MPa	ISO 178
Charpy notched impact strength, +23°C	3	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Modulus	9170	MPa	ASTM D 638
Tensile Strength at Break	158	MPa	ASTM D 638
Elongation at Break	2.4	%	ASTM D 638
Flexural Modulus	8140	MPa	ASTM D 790
Izod Impact notched, 1/8 in	32	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	201	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	397000	Ohm	ASTM D 257
Volume Resistivity	508000	Ohm*cm	ASTM D 257

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	360 - 400	°C	-
Mold temperature	140 - 180	°C	-
Zone 1	360 - 380	°C	-
Zone 2	370 - 390	°C	-
Zone 3	380 - 400	°C	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity