

Product Texts

LNP STAT-KON EX11318C compound is based on Polyetherimide (PEI) resin containing 30% carbon fiber. Added features of this grade include: LNP Clean Compounding Technology, Low C18-C40 Hydrocarbons, Electrically Conductive, Dimensional Stability.

UL Yellow Card Link [E207780-101260584](https://www.ul.com/yellow-card/E207780-101260584)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.15	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.2	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	21770	MPa	ASTM D 638
Tensile Strength at Break	211	MPa	ASTM D 638
Elongation at Break	1.9	%	ASTM D 638
Flexural Modulus	18140	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	375	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
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	500000	Ohm	ASTM D 257
Volume Resistivity	5E6	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1390	kg/m ³	ASTM D 792

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