

**Product Texts**

LNP STAT-KON DE0029EC compound is based on Polycarbonate (PC) resin containing 10% carbon fiber. Added features of this grade include: Flame Retardant, Electrically Conductive, Easy Molding.

UL Yellow Card Link [E121562-101345261](https://www.ulprospector.com/usa/Products/121562-101345261)

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	8270	MPa	ASTM D 638
Tensile Strength at Break	110	MPa	ASTM D 638
Elongation at Break	2.7	%	ASTM D 638
Flexural Modulus	7580	MPa	ASTM D 790
Flexural Strength	179	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	534	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn. Thickness tested	V-0	class	IEC 60695-11-10
Burning behav. 5V at thickness h Thickness tested	5VA	class	IEC 60695-11-20
<b>ASTM Data</b>			
DTUL @ 264 psi	141	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	1000000	Ohm	ASTM D 257

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

**Additives**

Flame retarding agent

**Special Characteristics**

Increased electrical conductivity, Flame retardant

**Regional Availability**

North America, Europe, Asia Pacific