

**Product Texts**

LNP STAT-KON DEI13F compound is based on Polycarbonate (PC) resin containing 15% carbon fiber, 2% silicone. Added features of this grade include: Electrically Conductive, Superior Molding, Wear Resistant.

UL Yellow Card Link [E207780-101282819](https://www.ul.com/yellow-card/E207780-101282819)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>10100</b>	MPa	ISO 527
Stress at break	<b>116</b>	MPa	ISO 527
Strain at break	<b>1.8</b>	%	ISO 527
Flexural modulus	<b>9790</b>	MPa	ISO 178
Flexural strength	<b>167</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>33</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>7</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	<b>10400</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>116</b>	MPa	ASTM D 638
Elongation at Break	<b>1.8</b>	%	ASTM D 638
Flexural Modulus	<b>7500</b>	MPa	ASTM D 790
Flexural Strength	<b>172</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>74</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>283</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>142</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	<b>HB</b>	class	IEC 60695-11-10
	<b>1.5</b>	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>142</b>	°C	ASTM D 648

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>1000000</b>	Ohm	ASTM D 257
Volume Resistivity	<b>100</b>	Ohm*cm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
Density	<b>1240</b>	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	<b>0.1</b>	%	ASTM D 570

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>305 - 325</b>	°C	-
Mold temperature	<b>80 - 110</b>	°C	-
Zone 1	<b>295 - 305</b>	°C	-
Zone 2	<b>310 - 320</b>	°C	-
Zone 3	<b>320 - 330</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity