

**Product Texts**

LNP LUBRICOMP JCL36 compound is based on Polyethersulfone (PES) resin containing 30% carbon fiber, 15% PTFE. Added features of this grade include: Internally Lubricated, Wear Resistant, Electrically Conductive.

UL Yellow Card Link [E45329-101344677](https://www.ulprospector.com/usa/Products/Plastics/Engineering-Plastics/101344677)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>19300</b>	MPa	ISO 527
Stress at break	<b>142</b>	MPa	ISO 527
Strain at break	<b>1.7</b>	%	ISO 527
Flexural modulus	<b>17000</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>25</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>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>223</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>7</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>36</b>	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>1000</b>	Ohm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1540</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120 - 150</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Melt temperature	<b>355 - 370</b>	°C	-
Mold temperature	<b>140 - 150</b>	°C	-
Zone 1	<b>345 - 355</b>	°C	-
Zone 2	<b>360 - 370</b>	°C	-
Zone 3	<b>370 - 380</b>	°C	-
Screw speed	<b>60 - 100</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity