

**Product Texts**

LNP LUBRICOMP LFL36E compound is based on Polyetheretherketone (PEEK) resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Wear Resistant, Easy Molding.

UL Yellow Card Link [E121562-101283797](https://www.ul.com/yellowcard/E121562-101283797)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>12200</b>	MPa	ISO 527
Stress at break	<b>177</b>	MPa	ISO 527
Strain at break	<b>2</b>	%	ISO 527
Flexural modulus	<b>11400</b>	MPa	ISO 178

<b>ASTM Data</b>			
Tensile Strength at Yield	<b>176</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>170</b>	MPa	ASTM D 638
Elongation at Yield	<b>2</b>	%	ASTM D 638
Elongation at Break	<b>2</b>	%	ASTM D 638
Flexural Modulus	<b>11700</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>103</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>861</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>322</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>337</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-

<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	<b>18</b>	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	<b>36</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>339</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>327</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1640</b>	kg/m <sup>3</sup>	ASTM D 792

<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>≤0.1</b>	%	-
Melt temperature	<b>380 - 390</b>	°C	-
Mold temperature	<b>140 - 165</b>	°C	-
Zone 1	<b>350 - 360</b>	°C	-
Zone 2	<b>365 - 375</b>	°C	-
Zone 3	<b>380 - 395</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