

**Product Texts**

LNP LUBRICOMP QFL36 compound is based on Nylon 6/10 resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101344462](https://www.ulprospector.com/usa/Products/Plastics/PA610+PTFE-GF30)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>8400</b>	MPa	ISO 527
Stress at break	<b>123</b>	MPa	ISO 527
Strain at break	<b>3.6</b>	%	ISO 527
Flexural modulus	<b>6900</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>65</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>13</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>201</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>27</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>107</b>	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1440</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>80</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.2</b>	%	-
Melt temperature	<b>270 - 275</b>	°C	-
Mold temperature	<b>80 - 95</b>	°C	-
Zone 1	<b>250 - 260</b>	°C	-
Zone 2	<b>260 - 270</b>	°C	-
Zone 3	<b>270 - 280</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Europe