

**Product Texts**

LNP LUBRICOMP IFL36R compound is based on Nylon 6/12 resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Wear Resistant, Mold Release.

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>8700</b>	MPa	ISO 527
Yield stress	<b>148</b>	MPa	ISO 527
Yield strain	<b>3.3</b>	%	ISO 527
Stress at break	<b>147</b>	MPa	ISO 527
Strain at break	<b>3.4</b>	%	ISO 527
Flexural modulus	<b>7300</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>70</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>12</b>	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>197</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>28</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>101</b>	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	<b>1420</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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>65 - 95</b>	°C	-
Zone 1	<b>255 - 265</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**  
North America, Europe, Asia Pacific