

Product Texts

LNP LUBRICOMP RL003 compound is based on Nylon 6/6 resin containing 15% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101284434](https://www.ulprospector.com/usa/Products/Plastics/PA66-PTFE/101284434)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	59	MPa	ISO 527
Strain at break	7	%	ISO 527
Flexural modulus	2300	MPa	ISO 178
Izod impact strength, +23°C, 4mm	45	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	4	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	111	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	115	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1230	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.25	%	-
Melt temperature	275 - 290	°C	-
Mold temperature	80 - 95	°C	-
Zone 1	265 - 275	°C	-
Zone 2	280 - 295	°C	-
Zone 3	295 - 305	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe