

Product Texts

LNP LUBRICOMP RI001 compound is based on Nylon 6/6 resin containing 2% silicone. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101344689](https://www.ulprospector.com/PA66/E45329-101344689)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	69	MPa	ISO 527
Stress at break	57	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2300	MPa	ISO 178
Izod impact strength, +23°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Coeff. of linear therm. expansion, parallel	97	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	133	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	1140	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	≤0.03	%	-
Melt temperature	200 - 210	°C	-
Mold temperature	15 - 45	°C	-
Zone 1	180 - 195	°C	-
Zone 2	190 - 200	°C	-
Zone 3	195 - 205	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe