

**Product Texts**

LNP LUBRILOY RF203 compound is based on Nylon 6/6 resin containing 15% glass fiber and proprietary lubricant. Added features of this grade include: Internally Lubricated, Wear Resistant.

UL Yellow Card Link [E45329-101283833](https://www.ulprospector.com/PA66-GF15)

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	5300	MPa	ISO 527
Stress at break	99	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus	4100	MPa	ISO 178
Izod impact strength, +23°C, 4mm	50	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	9	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	185	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	245	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	41	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	131	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	1120	kg/m <sup>3</sup>	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	270 - 280	°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**

North America, Europe, Asia Pacific