

Product Texts

LNP LUBRILOY RF203XXH compound is based on Nylon 6/6 resin containing 15% glass fiber and proprietary lubricant. Added features of this grade include: Wear Resistant, Healthcare.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	90	MPa	ISO 527
Strain at break	3.8	%	ISO 527
Flexural modulus	5500	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
Izod impact strength, +23°C, 4mm	30	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	9	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	4890	MPa	ASTM D 638
Tensile Strength at Break	87	MPa	ASTM D 638
Elongation at Break	3.7	%	ASTM D 638
Flexural Modulus	4180	MPa	ASTM D 790
Izod Impact notched, 1/8 in	83	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	646	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	232	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1130	kg/m ³	ISO 1183
Density	1120	kg/m ³	ASTM D 792

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