

Product Texts

LNP LUBRICOMP RP002 compound is based on Nylon 6/6 resin containing 10% PTFE/silicone. Added features of this grade include: Internally Lubricated, Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2800	MPa	ISO 527
Yield stress	70	MPa	ISO 527
Yield strain	7.9	%	ISO 527
Stress at break	67	MPa	ISO 527
Strain at break	17.1	%	ISO 527
Flexural modulus	2300	MPa	ISO 178
Izod impact strength, +23°C, 4mm	35	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	71	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	213	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1180	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

North America, Europe, Asia Pacific