

Product Texts

LNP LUBRICOMP RL0039XP compound is based on Nylon 6/6 resin containing 15% PTFE. Added features of this grade include: Flame Retardant, Internally Lubricated, Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3100	MPa	ISO 527
Stress at break	51	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus	2700	MPa	ISO 178
Izod impact strength, +23°C, 4mm	15	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	3	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	89	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	149	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	73	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1440	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

Special Characteristics
Flame retardant

Additives
Flame retarding agent

Regional Availability
North America, Europe, Asia Pacific