

Product Texts

LNP LUBRICOMP RFL369 compound is based on Nylon 6/6 resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Flame Retardant, Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11500	MPa	ISO 527
Yield stress	128	MPa	ISO 527
Strain at break	1.7	%	ISO 527
Flexural modulus	8500	MPa	ISO 178
Izod impact strength, +23°C, 4mm	20	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	225	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	253	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	42	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	78	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	375	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1740	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	285 - 300	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	270 - 280	°C	-
Zone 2	290	°C	-
Zone 3	290 - 300	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific