

Product Texts

LNP LUBRICOMP IFL36 compound is based on Nylon 6/12 resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7000	MPa	ISO 527
Yield stress	117	MPa	ISO 527
Strain at break	3.1	%	ISO 527
Flexural modulus	7200	MPa	ISO 178
Izod impact strength, +23°C, 4mm	45	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	11	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	194	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	212	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	24	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	127	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1410	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	≤0.2	%	-
Melt temperature	270 - 275	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	255 - 265	°C	-
Zone 2	260 - 270	°C	-
Zone 3	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe