

Product Texts

LNP LUBRICOMP SFL36 compound is based on Nylon 12 resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Internally Lubricated, Wear Resistant.

UL Yellow Card Link [E45329-101284435](https://www.ulprospector.com/usa/Products/Plastics/PA12+PTFE-GF30)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	100	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Flexural modulus	5900	MPa	ISO 178
Izod impact strength, +23°C, 4mm	65	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	15	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	160	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	175	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	22	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	117	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Other properties	Value	Unit	Test Standard
Density	1370	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	225 - 240	°C	-
Mold temperature	70 - 80	°C	-
Zone 1	215 - 225	°C	-
Zone 2	220 - 230	°C	-
Zone 3	225 - 240	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific