

Product Texts

LNP LUBRICOMP PFL38S compound is based on Nylon 6 resin containing 40% glass fiber, 15% PTFE. Added features of this grade include: Heat Stabilized, Wear Resistant

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	13500	MPa	ISO 527
Stress at break	172	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus	11600	MPa	ISO 178
Izod impact strength, +23°C, 4mm	65	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	14	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	203	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	216	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	33	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	92	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1610	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	265 - 275	°C	-
Mold temperature	80 - 95	°C	-
Zone 1	250 - 260	°C	-
Zone 2	265 - 275	°C	-
Zone 3	275 - 290	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe