

Product Texts

LNP LUBRICOMP MFL36S compound is based on Polypropylene (PP) resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Heat Stabilized, Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6900	MPa	ISO 527
Stress at break	85	MPa	ISO 527
Strain at break	2.8	%	ISO 527
Flexural modulus	6400	MPa	ISO 178
Izod impact strength, +23°C, 4mm	40	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	140	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	157	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	1.17	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1260	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	225 - 250	°C	-
Mold temperature	30 - 50	°C	-
Zone 1	195 - 205	°C	-
Zone 2	215 - 225	°C	-
Zone 3	240 - 250	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe