

Product Texts

LNP LUBRICOMP DFL36 compound is based on Polycarbonate (PC) resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101344594](https://www.ulprospector.com/usa/Products/Plastics/PC+PTFE-GF30)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	10	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	120	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus	8600	MPa	ISO 178
Izod impact strength, +23°C, 4mm	55	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	16	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	130	°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	76	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Density	1540	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	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing
Injection Molding

Regional Availability
Europe