

Product Texts

LNP LUBRICOMP DP003 compound is based on Polycarbonate (PC) resin containing 15% PTFE/silicone. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101344456](https://www.ulprospector.com/usa/Products/Plastics/PC+PTFE/101344456)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	48	MPa	ISO 527
Yield strain	4.9	%	ISO 527
Stress at break	42	MPa	ISO 527
Strain at break	24	%	ISO 527
Flexural modulus	1990	MPa	ISO 178
Izod impact strength, +23°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	25	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	128	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	140	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	69	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	74	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	1260	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	300 - 315	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	305 - 315	°C	-
Zone 3	310 - 320	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe