

Product Texts

LNP LUBRICOMP GL003 compound is based on Polysulfone (PSU) resin containing 15% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101343832](https://www.ulprospector.com/usa/Products/Polysulfone/101343832)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1800	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Strain at break	5	%	ISO 527
Flexural modulus	2300	MPa	ISO 178
Izod impact strength, +23°C, 4mm	70	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	175	°C	ISO 75-1/-2
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Other properties	Value	Unit	Test Standard
Density	1310	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	360 - 370	°C	-
Mold temperature	150	°C	-
Zone 1	325 - 340	°C	-
Zone 2	340 - 350	°C	-
Zone 3	350 - 360	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing
Injection Molding

Regional Availability
Europe