

Product Texts

LNP LUBRICOMP OFL38A compound is based on Polyphenylene Sulfide (PPS) branched resin containing 40% glass fiber and 15% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101658602](https://www.ul.com/yellow-card/E45329-101658602)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14700	MPa	ISO 527
Stress at break	147	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus	12700	MPa	ISO 178
Izod impact strength, +23°C, 4mm	30	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	264	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	280	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	16	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	38	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.7	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
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Glow Wire Ignition Temperature (GWIT)	825	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-
Glow Wire Ignition Temperature (GWIT)	875	°C	IEC 60695-2-13
GWIT - thickness tested (2)	2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	175	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1800	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Melt temperature	315 - 320	°C	-
Mold temperature	140 - 165	°C	-
Zone 1	305 - 315	°C	-
Zone 2	320 - 330	°C	-
Zone 3	330 - 345	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific