

**Product Texts**

LNP LUBRICOMP OCP36A compound is based on Polyphenylene Sulfide (PPS) - branched resin containing 30% carbon fiber, 15% PTFE/silicone. Added features of this grade include: Wear Resistant, Electrically Conductive.

UL Yellow Card Link [E207780-103093472](https://www.ul.com/yellow-card/E207780-103093472)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.7	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	19900	MPa	ISO 527
Yield stress	113	MPa	ISO 527
Yield strain	0.7	%	ISO 527
Stress at break	113	MPa	ISO 527
Strain at break	0.7	%	ISO 527
Flexural modulus	19000	MPa	ISO 178
Flexural strength	176	MPa	ISO 178
Izod impact strength, +23°C, 4mm	13	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	3	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	18610	MPa	ASTM D 638
Tensile Strength at Yield	127	MPa	ASTM D 638
Tensile Strength at Break	119	MPa	ASTM D 638
Elongation at Yield	0.9	%	ASTM D 638
Elongation at Break	1.6	%	ASTM D 638
Flexural Modulus	20130	MPa	ASTM D 790
Flexural Strength	229	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	320	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	248	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	272	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.9	mm	-
<b>ASTM Data</b>			
DTUL @ 66 psi	273	°C	ASTM D 648
DTUL @ 264 psi	258	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1530	kg/m <sup>3</sup>	ISO 1183
Density	1490	kg/m <sup>3</sup>	ASTM D 792

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	<b>0.2 - 0.3</b>	MPa	-
---------------	------------------	-----	---

---

### Characteristics

#### Processing

Injection Molding

#### Regional Availability

North America, Europe, Asia Pacific

#### Special Characteristics

Increased electrical conductivity