

**Product Texts**

LNP LUBRICOMP OCP36 compound is based on Polyphenylene Sulfide (PPS) - linear resin containing 30% carbon fiber and 15% PTFE/silicone. Added features of this grade include: Wear Resistant, Bearing Grade, Electrically Conductive.

UL Yellow Card Link [E207780-103093472](https://www.ulprospector.com/usa/Products/207780-103093472)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.5	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	24900	MPa	ISO 527
Yield stress	166	MPa	ISO 527
Stress at break	166	MPa	ISO 527
Strain at break	0.9	%	ISO 527
Flexural modulus	22200	MPa	ISO 178
<b>ASTM Data</b>			
Tensile Modulus	26120	MPa	ASTM D 638
Tensile Strength at Break	253	MPa	ASTM D 638
Elongation at Break	1.6	%	ASTM D 638
Flexural Modulus	21400	MPa	ASTM D 790
Flexural Strength	253	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	485	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.9	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	260	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	100	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1510	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	0.2 - 0.3	MPa	-

**Characteristics**

**Processing**  
Injection Molding

**Regional Availability**  
Asia Pacific

**Special Characteristics**

Increased electrical conductivity