

Product Texts

LNP LUBRICOMP OCP36F compound is based on Polyphenylene Sulfide (PPS) - linear resin containing 30% carbon fiber, 15% PTFE/silicone. Added features of this grade include: Bearing grade, Electrically Conductive, Wear Resistant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.15	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.5	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	18140	MPa	ASTM D 638
Tensile Strength at Break	157	MPa	ASTM D 638
Elongation at Break	1.6	%	ASTM D 638
Flexural Modulus	19920	MPa	ASTM D 790
Flexural Strength	245	MPa	ASTM D 790
Izod Impact notched, 1/8 in	55	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	485	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	260	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	100	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1510	kg/m ³	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

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity