

**Product Texts**

LNP LUBRICOMP ECL36XXQ compound is based on Polyetherimide (PEI) resin containing 30% carbon fiber, 15% PTFE. Added features of this grade include: Wear Resistant, Electrically Conductive.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.25	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	30400	MPa	ISO 527
Stress at break	226	MPa	ISO 527
Strain at break	1	%	ISO 527

<b>ASTM Data</b>			
Tensile Modulus	32860	MPa	ASTM D 638
Tensile Strength at Break	222	MPa	ASTM D 638
Elongation at Break	0.9	%	ASTM D 638
Flexural Modulus	26300	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	413	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 264 psi	208	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	10000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1390	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	360 - 375	°C	-
Mold temperature	140 - 180	°C	-
Zone 1	355 - 365	°C	-
Zone 2	360 - 370	°C	-
Zone 3	365 - 375	°C	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity