

Product Texts

LNP LUBRICOMP LCL33EXQ compound is based on Polyetheretherketone (PEEK) resin containing 15% carbon fiber, 15% PTFE. Added features of this grade include: Wear Resistant, Easy Molding, Electrically Conductive.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14000	MPa	ISO 527
Stress at break	181	MPa	ISO 527
Strain at break	1.6	%	ISO 527
Flexural modulus	13500	MPa	ISO 178
Flexural strength	276	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Modulus	16000	MPa	ASTM D 638
Tensile Strength at Break	185	MPa	ASTM D 638
Elongation at Break	1.8	%	ASTM D 638
Flexural Modulus	13400	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	320	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1450	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Mold temperature	175 - 190	°C	-
Zone 1	370 - 380	°C	-
Zone 2	380 - 400	°C	-
Zone 3	380 - 400	°C	-
Screw speed	60 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity