

Product Texts

LNP LUBRICOMP UCL16AS compound is based on Polyphthalamide (PPA) resin containing 5% PTFE and 30% carbon fiber. Added features of this grade include: Heat Stabilized, Wear Resistant, Electrically Conductive.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	21800	MPa	ISO 527
Stress at break	272	MPa	ISO 527
Strain at break	1.4	%	ISO 527
Flexural modulus	19000	MPa	ISO 178
Izod impact strength, +23°C, 4mm	40	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Coeff. of linear therm. expansion, parallel	7	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	46	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1360	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.15	%	-
Melt temperature	315 - 330	°C	-
Mold temperature	150 - 170	°C	-
Zone 1	310 - 320	°C	-
Zone 2	315 - 325	°C	-
Zone 3	325 - 340	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Special Characteristics

Increased electrical conductivity

Regional Availability

North America, Europe, Asia Pacific