

Product Texts

LNP LUBRICOMP SFL2A compound is based on Nylon 12 resin containing 50% glass fiber, 10% PTFE. Added features of this grade include: Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	16060	MPa	ASTM D 638
Tensile Strength at Break	149	MPa	ASTM D 638
Elongation at Break	3.5	%	ASTM D 638
Flexural Modulus	13120	MPa	ASTM D 790
Flexural Strength	241	MPa	ASTM D 790
Izod Impact notched, 1/8 in	112	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	907	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	174	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.6	%	ASTM D 570
Density	1640	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	225 - 240	°C	-
Mold temperature	70 - 80	°C	-
Zone 1	215 - 225	°C	-
Zone 2	220 - 230	°C	-
Zone 3	225 - 240	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive