

Product Texts

LNP LUBRICOMP PFL38S compound is based on Nylon 6 resin containing 40% glass fiber, 15% PTFE. Added features of this grade include: Heat Stabilized, Wear Resistant

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	152	MPa	ASTM D 638
Elongation at Break	2.5	%	ASTM D 638
Flexural Modulus	10340	MPa	ASTM D 790
Izod Impact notched, 1/8 in	133	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	904	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	212	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.5	%	ASTM D 570
Density	1590	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	≤0.25	%	-
Melt temperature	265 - 275	°C	-
Mold temperature	80 - 95	°C	-
Zone 1	250 - 260	°C	-
Zone 2	265 - 275	°C	-
Zone 3	275 - 290	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America