

Product Texts

LNP LUBRICOMP XFL21R compound is based on Amorphous Nylon resin containing 5% glass fiber, 10% PTFE. Added features of this grade include: Wear Resistant, Mold Release.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.7	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3730	MPa	ASTM D 638
Tensile Strength at Break	84	MPa	ASTM D 638
Elongation at Break	4.1	%	ASTM D 638
Flexural Modulus	3900	MPa	ASTM D 790
Flexural Strength	131	MPa	ASTM D 790
Izod Impact notched, 1/8 in	58	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	506	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	138	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	6 - 12	h	-
Processing humidity	≤0.1	%	-
Melt temperature	260 - 300	°C	-
Mold temperature	50 - 100	°C	-
Zone 1	260 - 270	°C	-
Zone 2	270 - 290	°C	-
Zone 3	290 - 300	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific