

LNP™ LUBRICOMP™ Compound XFL36

(PA*+PTFE)-GF30

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP LUBRICOMP XFL36 compound is based on Amorphous Nylon resin containing 30% glass fiber and 15% PTFE. Added features of this grade include: Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	127	MPa	ASTM D 638
Elongation at Break	3.5	%	ASTM D 638
Flexural Modulus	7920	MPa	ASTM D 790
Izod Impact unnotched, 1/8 in	267	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	137	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1470	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