

Product Texts

LNP LUBRICOMP RFL36XXZ compound is based on Nylon 6/6 resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E207780-101282824](https://www.ulprospector.com/usa/Products/207780-101282824)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.35	mm/mm	ASTM D 955
Mold Shrinkage, TD	1	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9800	MPa	ISO 527
Stress at break	138	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Flexural modulus	9700	MPa	ISO 178
Izod impact strength, +23°C, 4mm	51	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	11230	MPa	ASTM D 638
Tensile Strength at Break	139	MPa	ASTM D 638
Elongation at Break	2.1	%	ASTM D 638
Flexural Modulus	9750	MPa	ASTM D 790
Izod Impact notched, 1/8 in	106	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	907	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	248	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	37.8	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	55	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
DTUL @ 264 psi	248	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1510	kg/m ³	ISO 1183
Water Absorption, 24hr	0.62	%	ASTM D 570
Density	1510	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	280 - 305	°C	-
Mold temperature	95 - 110	°C	-
Zone 1	265 - 275	°C	-
Zone 2	280 - 295	°C	-
Zone 3	295 - 305	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific