

Product Texts

LNP LUBRICOMP QFP36 compound is based on Nylon 6/10 resin containing 30% glass fiber, 15% PTFE/silicone. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101344685](https://www.ul.com/yellow-card/E45329-101344685)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.9	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8100	MPa	ISO 527
Yield stress	118	MPa	ISO 527
Yield strain	3	%	ISO 527
Flexural modulus	6200	MPa	ISO 178
ASTM Data			
Tensile Strength at Break	136	MPa	ASTM D 638
Elongation at Break	2.8	%	ASTM D 638
Flexural Modulus	8610	MPa	ASTM D 790
Flexural Strength	212	MPa	ASTM D 790
Izod Impact notched, 1/8 in	90	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	198	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	23	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	100	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	201	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1410	kg/m ³	ISO 1183
Density	1440	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	270 - 275	°C	-
Mold temperature	80 - 95	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 270	°C	-
Zone 3	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific