

Product Texts

LNP LUBRICOMP DFL36 compound is based on Polycarbonate (PC) resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E121562-101344609](https://www.ul.com/yellow-card/E121562-101344609)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.25	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.5	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9080	MPa	ISO 527
Yield stress	118	MPa	ISO 527
Yield strain	2.6	%	ISO 527
Stress at break	118	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus	8340	MPa	ISO 178
Flexural strength	185	MPa	ISO 178
Izod impact strength, +23°C, 4mm	55	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	16	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Modulus	9580	MPa	ASTM D 638
Tensile Strength at Yield	123	MPa	ASTM D 638
Tensile Strength at Break	123	MPa	ASTM D 638
Elongation at Yield	2.6	%	ASTM D 638
Elongation at Break	2.8	%	ASTM D 638
Flexural Modulus	8610	MPa	ASTM D 790
Flexural Strength	186	MPa	ASTM D 790
Izod Impact notched, 1/8 in	197	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	923	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
ASTM Data			
DTUL @ 264 psi	143	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1540	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America