

**Product Texts**

LNP LUBRICOMP DFL36E compound is based on Polycarbonate (PC) resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Easy Molding, Wear Resistant.

UL Yellow Card Link [E45329-101344594](https://www.ulprospector.com/usa/Products/Plastics/PC-PTFE-GF30/45329-101344594)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.6	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	8400	MPa	ISO 527
Stress at break	118	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus	8100	MPa	ISO 178
Izod impact strength, +23°C, 4mm	45	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	11	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Break	123	MPa	ASTM D 638
Elongation at Break	2.4	%	ASTM D 638
Flexural Modulus	9370	MPa	ASTM D 790
Izod Impact notched, 1/8 in	149	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	694	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	138	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Density	1550	kg/m <sup>3</sup>	ISO 1183
Density	1570	kg/m <sup>3</sup>	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, Europe, Asia Pacific