

Product Texts

LNP LUBRICOMP DFL349 compound is based on Polycarbonate (PC) resin containing 20% glass fiber, 15% PTFE. Added features of this grade include: Flame Retardant, Wear Resistant.

UL Yellow Card Link [E207780-101343859](https://www.ulprospector.com/usa/Products/Plastics/PC+PTFE-GF20)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.5	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	7220	MPa	ISO 527
Stress at break	98	MPa	ISO 527
Strain at break	3.4	%	ISO 527
Flexural modulus	5830	MPa	ISO 178
Flexural strength	146	MPa	ISO 178
Izod impact strength, +23°C, 4mm	40	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	11	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	6520	MPa	ASTM D 638
Tensile Strength at Break	88	MPa	ASTM D 638
Elongation at Break	2.4	%	ASTM D 638
Flexural Modulus	5870	MPa	ASTM D 790
Flexural Strength	151	MPa	ASTM D 790
Izod Impact notched, 1/8 in	106	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	501	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	138	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thic kn. Thickness tested	V-1 1.5	class mm	IEC 60695-11-10 -
ASTM Data			
DTUL @ 264 psi	137	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.12	%	Sim. to ISO 62
Density	1500	kg/m ³	ISO 1183
Density	1500	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

Special Characteristics

Flame retardant

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific