

Product Texts

LNP LUBRICOMP DFL28 compound is based on Polycarbonate (PC) resin containing 40% glass fiber and 10% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E207780-101344587](https://www.ulprospector.com/207780-101344587)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.2	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	12900	MPa	ISO 527
Yield stress	145	MPa	ISO 527
Yield strain	2.1	%	ISO 527
Stress at break	145	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Flexural modulus	11800	MPa	ISO 178
Flexural strength	216	MPa	ISO 178
Izod impact strength, +23°C, 4mm	57	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	16	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	13780	MPa	ASTM D 638
Tensile Strength at Yield	148	MPa	ASTM D 638
Tensile Strength at Break	148	MPa	ASTM D 638
Elongation at Yield	2.2	%	ASTM D 638
Elongation at Break	2.2	%	ASTM D 638
Flexural Modulus	11720	MPa	ASTM D 790
Flexural Strength	206	MPa	ASTM D 790
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	891	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	142	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	146	°C	ISO 75-1/-2
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
ASTM Data			
DTUL @ 66 psi	145	°C	ASTM D 648
DTUL @ 264 psi	140	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1610	kg/m ³	ISO 1183
Density	1610	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	-

LNP™ LUBRICOMP™ Compound DFL28

(PC+PTFE)-GF40

Saudi Basic Industries Corporation (SABIC)

Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific