

Product Texts

LNP LUBRICOMP DL004 compound is based on Polycarbonate (PC) resin containing 20% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E121562-101282870](https://www.ul.com/yellow-card-link/E121562-101282870)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.6	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.7	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2050	MPa	ISO 527
Yield stress	44	MPa	ISO 527
Yield strain	5.9	%	ISO 527
Stress at break	39	MPa	ISO 527
Strain at break	29.3	%	ISO 527
Flexural modulus	1930	MPa	ISO 178
Flexural strength	63	MPa	ISO 178
Izod impact strength, +23°C, 4mm	178	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	11	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2080	MPa	ASTM D 638
Tensile Strength at Yield	43	MPa	ASTM D 638
Tensile Strength at Break	39	MPa	ASTM D 638
Elongation at Yield	6.2	%	ASTM D 638
Elongation at Break	28.9	%	ASTM D 638
Flexural Modulus	2060	MPa	ASTM D 790
Flexural Strength	73	MPa	ASTM D 790
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1870	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	129	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	143	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
ASTM Data			
DTUL @ 66 psi	141	°C	ASTM D 648
DTUL @ 264 psi	128	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.36	%	Sim. to ISO 62
Density	1300	kg/m ³	ISO 1183
Water Absorption, 24hr	0.25	%	ASTM D 570
Density	1300	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	300 - 315	°C	-

LNP™ LUBRICOMP™ Compound DL004 - Americas

(PC+PTFE)

Saudi Basic Industries Corporation (SABIC)

Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	305 - 315	°C	-
Zone 3	310 - 320	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America