

Product Texts

LNP LUBRICOMP DL0049EF compound is based on Polycarbonate (PC) resin containing 20% PTFE, Flame Retardant. Added features of this grade include: Wear Resistant, Flame Retardant, Good Flow.

UL Yellow Card Link [E121562-101284665](https://www.ul.com/yellow-card/E121562-101284665)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.6	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.9	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2090	MPa	ISO 527
Yield stress	49	MPa	ISO 527
Yield strain	5.4	%	ISO 527
Stress at break	43	MPa	ISO 527
Strain at break	26.1	%	ISO 527
Flexural modulus	2200	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Izod impact strength, +23°C, 4mm	118	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2060	MPa	ASTM D 638
Tensile Strength at Yield	47	MPa	ASTM D 638
Tensile Strength at Break	40	MPa	ASTM D 638
Elongation at Yield	5.2	%	ASTM D 638
Elongation at Break	23.2	%	ASTM D 638
Flexural Modulus	2060	MPa	ASTM D 790
Izod Impact notched, 1/8 in	122	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1570	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	126	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	136	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	V-1	class	IEC 60695-11-10
Burning behav. at thickness h Thickness tested	V-0	class	IEC 60695-11-10
ASTM Data			
DTUL @ 66 psi	137	°C	ASTM D 648
DTUL @ 264 psi	123	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1350	kg/m ³	ISO 1183
Density	1350	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	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	305 - 315	°C	-

LNP™ LUBRICOMP™ Compound DL0049EF

(PC+PTFE)

Saudi Basic Industries Corporation (SABIC)

Zone 3	310 - 320	°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