

**Product Texts**

LNP LUBRICOMP KL004A compound is based on Acetal (POM) Homopolymer resin containing 20% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E121562-101281602](https://www.ulprospector.com/121562-101281602)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	2.1	%	ISO 294-4, 2577
Molding shrinkage, normal	2.1	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	2.1	mm/mm	ASTM D 955
Mold Shrinkage, TD	2.1	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2400	MPa	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	9.4	%	ISO 527
Flexural modulus	2900	MPa	ISO 178
Flexural strength	86	MPa	ISO 178
Izod impact strength, +23°C, 4mm	30	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	4	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2550	MPa	ASTM D 638
Tensile Strength at Break	56	MPa	ASTM D 638
Elongation at Break	11.4	%	ASTM D 638
Flexural Modulus	2620	MPa	ASTM D 790
Flexural Strength	86	MPa	ASTM D 790
Izod Impact notched, 1/8 in	42	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	560	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	98	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB	class	IEC 60695-11-10
	1.5	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	95	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.4	%	Sim. to ISO 62
Density	1520	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.23	%	ASTM D 570
Density	1520	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	200 - 215	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	175 - 190	°C	-
Zone 2	195 - 205	°C	-
Zone 3	210 - 220	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**LNP™ LUBRICOMP™ Compound KL004A - Americas**

(POM+PTFE)

Saudi Basic Industries Corporation (SABIC)

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America