

**Product Texts**

LNP LUBRICOMP KL001 compound is based on Acetal (POM) Copolymer resin containing 5% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E121562-101284108](https://www.ulprospector.com/121562-101284108)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	2.3	%	ISO 294-4, 2577
Molding shrinkage, normal	2.3	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	2.3	mm/mm	ASTM D 955
Mold Shrinkage, TD	2.3	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2620	MPa	ISO 527
Yield stress	54	MPa	ISO 527
Yield strain	11.4	%	ISO 527
Stress at break	53	MPa	ISO 527
Strain at break	29.6	%	ISO 527
Flexural modulus	2000	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
<b>ASTM Data</b>			
Tensile Modulus	2750	MPa	ASTM D 638
Tensile Strength at Yield	55	MPa	ASTM D 638
Tensile Strength at Break	52	MPa	ASTM D 638
Elongation at Yield	9.8	%	ASTM D 638
Elongation at Break	33.9	%	ASTM D 638
Flexural Modulus	3440	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	96	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	149	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
DTUL @ 66 psi	157	°C	ASTM D 648
DTUL @ 264 psi	112	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1430	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1440	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	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific