

## SABIC Innovative Plastics LNP LUBRILOY KL201 Acetal (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM)

**Material Notes:**

LNP LUBRILOY\* KL201 is a compound based on Acetal resin containing PTFE, Proprietary Lubricant. Added features of this material include: Internally Lubricated.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-LUBRILOY-KL201-Acetal-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRILOY-KL201-Acetal-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ISO 1183
	1.41 g/cc	0.0509 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	0.970 %	0.970 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.025 - 0.030 cm/cm	0.025 - 0.030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.025 - 0.027 cm/cm	0.025 - 0.027 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	51.0 MPa	7400 psi	ASTM D638
	53.0 MPa	7690 psi	ISO 527
Elongation at Yield	20 %	20 %	ASTM D638
Tensile Modulus	2.65 GPa	384 ksi	50 mm/min; ASTM D638
	3.05 GPa	442 ksi	1 mm/min; ISO 527
Flexural Strength	68.0 MPa	9860 psi	ASTM D790
Flexural Modulus	2.16 GPa	313 ksi	ASTM D790
	2.26 GPa	328 ksi	ISO 178
Izod Impact, Notched	0.680 J/cm	1.27 ft-lb/in	ASTM D256
Izod Impact, Unnotched	13.67 J/cm	25.61 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Coefficient of Friction, Dynamic	0.30	0.30	ASTM D3702 Modified

Coefficient of Friction, Static Mechanical Properties	0.090 Metric	0.090 English	ASTM D3702 Modified Comments
K (wear) Factor	24.2 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	12.0 x 10 <sup>-10</sup> in <sup>3</sup> - min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	88.9 Åµm/m-Å°C @Temperature -40.0 - 40.0 Å°C	49.4 Åµin/in-Å°F @Temperature -40.0 - 104 Å°F	ASTM E 831
CTE, linear, Transverse to Flow	85.1 Åµm/m-Å°C @Temperature -40.0 - 40.0 Å°C	47.3 Åµin/in-Å°F @Temperature -40.0 - 104 Å°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	157 Å°C @Thickness 3.20 mm	315 Å°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	93.0 Å°C	199 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	91.0 Å°C @Thickness 3.20 mm	196 Å°F @Thickness 0.126 in	unannealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China