

LNP™ LUBRICOMP™ Compound KL201

(POM+PTFE)

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP LUBRICOMP KL201 compound is based on Acetal (POM) resin containing proprietary lubricant and PTFE. Added features of this grade include: Wear Resistant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	2.75	mm/mm	ASTM D 955
Mold Shrinkage, TD	2.75	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3050	MPa	ISO 527
Yield stress	53	MPa	ISO 527
Flexural modulus	2260	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2650	MPa	ASTM D 638
Tensile Strength at Yield	51	MPa	ASTM D 638
Elongation at Yield	20	%	ASTM D 638
Flexural Modulus	2160	MPa	ASTM D 790
Flexural Strength	68	MPa	ASTM D 790
Izod Impact notched, 1/8 in	68	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1370	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	93	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	157	°C	ASTM D 648
DTUL @ 264 psi	91	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ISO 1183
Water Absorption, 24hr	0.97	%	ASTM D 570
Density	1410	kg/m ³	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