

Product Texts

LNP LUBRICOMP KI001XXJ compound is based on POM (Acetal) resin containing silicone. Added features of this grade include: Wear Resistant, Healthcare.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	2.4	mm/mm	ASTM D 955
Mold Shrinkage, TD	2.4	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
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	16	%	ASTM D 638
Elongation at Break	46	%	ASTM D 638
Flexural Modulus	2280	MPa	ASTM D 790
Izod Impact notched, 1/8 in	81	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1550	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	106	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ISO 1183
Water Absorption, 24hr	0.24	%	ASTM D 570

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