

Product Texts

LNP LUBRICOMP KFP032 compound is based on Acetal (POM) Copolymer resin containing 10% glass fiber, 25% PTFE/silicone. Added features of this grade include: Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4810	MPa	ISO 527
Stress at break	64	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus	4120	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Izod impact strength, +23°C, 4mm	24	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	3	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	5020	MPa	ASTM D 638
Tensile Strength at Break	67	MPa	ASTM D 638
Elongation at Break	2.6	%	ASTM D 638
Flexural Modulus	4180	MPa	ASTM D 790
Izod Impact notched, 1/8 in	40	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	381	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	148	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	161	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	162	°C	ASTM D 648
DTUL @ 264 psi	155	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1520	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