

Product Texts

LNP LUBRICOMP KFL25 compound is based on Acetal (POM) Copolymer resin containing 25% glass fiber, 10% PTFE. Added features of this grade include: Wear Resistant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.5	mm/mm	ASTM D 955
Mold Shrinkage, TD	1	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9870	MPa	ISO 527
Stress at break	84	MPa	ISO 527
Strain at break	1.3	%	ISO 527
Flexural modulus	9200	MPa	ISO 178
Flexural strength	130	MPa	ISO 178
Izod impact strength, +23°C, 4mm	18	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	10240	MPa	ASTM D 638
Tensile Strength at Break	85	MPa	ASTM D 638
Elongation at Break	1.3	%	ASTM D 638
Flexural Modulus	9100	MPa	ASTM D 790
Flexural Strength	131	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	293	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	165	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1650	kg/m ³	ISO 1183
Water Absorption, 24hr	0.19	%	ASTM D 570
Density	1650	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