

**Product Texts**

LNP LUBRICOMP IBP34 compound is based on Nylon 6/12 resin containing 20% glass bead, 15% PTFE/silicone. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E121562-101345274](https://www.ulprospector.com/121562-101345274)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	3	mm/mm	ASTM D 955
Mold Shrinkage, TD	3	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2670	MPa	ISO 527
Yield strain	3.5	%	ISO 527
Stress at break	44	MPa	ISO 527
Strain at break	3.7	%	ISO 527
Flexural modulus	2650	MPa	ISO 178
Flexural strength	73	MPa	ISO 178
Izod impact strength, +23°C, 4mm	18	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	2	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2740	MPa	ASTM D 638
Tensile Strength at Break	45	MPa	ASTM D 638
Elongation at Yield	3.6	%	ASTM D 638
Elongation at Break	3.9	%	ASTM D 638
Flexural Modulus	2610	MPa	ASTM D 790
Izod Impact notched, 1/8 in	28	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	329	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	70	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	159	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	88	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	86.9	E-6/K	ASTM D 696
DTUL @ 66 psi	170	°C	ASTM D 648
DTUL @ 264 psi	106	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.26	%	Sim. to ISO 62
Water Absorption, 24hr	0.22	%	ASTM D 570
Density	1320	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	270 - 275	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	255 - 265	°C	-
Zone 2	260 - 270	°C	-
Zone 3	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific