

**Product Texts**

LNP LUBRICOMP WBL36L compound is based on Polybutylene Terephthalate (PBT) resin containing 30% glass bead, 15% PTFE. Added features of this grade include: Wear Resistant, Low Extractables.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	2.4	%	ISO 294-4, 2577
Molding shrinkage, normal	1.9	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	2	mm/mm	ASTM D 955
Mold Shrinkage, TD	1.85	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	4020	MPa	ISO 527
Yield stress	37	MPa	ISO 527
Yield strain	2.3	%	ISO 527
Stress at break	36	MPa	ISO 527
Strain at break	3.3	%	ISO 527
Flexural modulus	3900	MPa	ISO 178
Flexural strength	75	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	3	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	4130	MPa	ASTM D 638
Tensile Strength at Yield	37	MPa	ASTM D 638
Tensile Strength at Break	36	MPa	ASTM D 638
Elongation at Yield	2.2	%	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	4130	MPa	ASTM D 790
Flexural Strength	68	MPa	ASTM D 790
Izod Impact notched, 1/8 in	32	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	256	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	94	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	184	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	188	°C	ASTM D 648
DTUL @ 264 psi	95	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1690	kg/m <sup>3</sup>	ISO 1183
Density	1690	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	240 - 265	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	220 - 230	°C	-
Zone 2	245 - 255	°C	-
Zone 3	260 - 270	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**LNP™ LUBRICOMP™ Compound WBL36L - Americas**

(PBT+PTFE)-GB30

Saudi Basic Industries Corporation (SABIC)

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America