

**Product Texts**

LNP LUBRICOMP ZFL34 compound is based on Polyphenylene Ether / Polystyrene (PPE/PS) blend containing 20% glass fiber, 15% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E121562-101282560](https://www.ulprospector.com/121562-101282560)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.5	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	6810	MPa	ISO 527
Yield stress	91	MPa	ISO 527
Yield strain	1.8	%	ISO 527
Stress at break	91	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus	6430	MPa	ISO 178
Flexural strength	136	MPa	ISO 178
Izod impact strength, +23°C, 4mm	30	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m <sup>2</sup>	ISO 180/1A

<b>ASTM Data</b>			
Tensile Modulus	7210	MPa	ASTM D 638
Tensile Strength at Yield	96	MPa	ASTM D 638
Tensile Strength at Break	96	MPa	ASTM D 638
Elongation at Yield	1.9	%	ASTM D 638
Elongation at Break	2.7	%	ASTM D 638
Flexural Modulus	6790	MPa	ASTM D 790
Izod Impact notched, 1/8 in	99	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	516	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	133	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	139	°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	46.1	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	61	E-6/K	ASTM D 696
DTUL @ 66 psi	138	°C	ASTM D 648
DTUL @ 264 psi	133	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.07	%	Sim. to ISO 62
Water Absorption, 24hr	0.06	%	ASTM D 570
Density	1320	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Melt temperature	300 - 305	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	275 - 290	°C	-
Zone 2	290 - 300	°C	-
Zone 3	300 - 310	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific