

**Product Texts**

LNP LUBRICOMP YP003 compound is based on Polyester Elastomer resin containing 15% PTFE/silicone. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E121562-101344714](https://www.ulprospector.com/usa/Products/121562-101344714)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	2.1	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	2.1	mm/mm	ASTM D 955
Mold Shrinkage, TD	2	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	200	MPa	ISO 527
Yield stress	14	MPa	ISO 527
Yield strain	39.9	%	ISO 527
Flexural modulus	270	MPa	ISO 178
Izod impact strength, +23°C, 4mm	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	30	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	200	MPa	ASTM D 638
Tensile Strength at Yield	13	MPa	ASTM D 638
Elongation at Yield	53.5	%	ASTM D 638
Flexural Modulus	260	MPa	ASTM D 790
Izod Impact notched, 1/8 in	240	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB 1.5	class mm	IEC 60695-11-10 -
<b>ASTM Data</b>			
DTUL @ 264 psi	47	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1260	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.37	%	ASTM D 570
Density	1270	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	≤0.1	%	-
Melt temperature	215 - 240	°C	-
Mold temperature	25 - 55	°C	-
Zone 1	180 - 195	°C	-
Zone 2	205 - 215	°C	-
Zone 3	225 - 240	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America