

Product Texts

LNP LUBRICOMP YL003C compound is based on Polyester Elastomer resin containing 15% PTFE. Added features of this grade include: LNP Clean Compounding Technology, Wear Resistant.

UL Yellow Card Link [E207780-103093722](https://www.ulprospector.com/usa/Products/Plastics/207780-103093722)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	1.6	mm/mm	ASTM D 955
Mold Shrinkage, TD	1.8	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	260	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	280	MPa	ISO 178
Flexural strength	12	MPa	ISO 178
Izod impact strength, +23°C	48	kJ/m ²	ISO 180/1U
Izod impact strength, +23°C, 4mm	23	kJ/m ²	ISO 180/1U
ASTM Data			
Tensile Modulus	280	MPa	ASTM D 638
Tensile Strength at Break	22	MPa	ASTM D 638
Elongation at Break	90	%	ASTM D 638
Flexural Modulus	290	MPa	ASTM D 790
Flexural Strength	19	MPa	ASTM D 790
Shore D Hardness	56	-	ASTM D 2240
Izod Impact notched, 1/8 in	150	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	580	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	57	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	88	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	1.0	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	0.5	%	Sim. to ISO 62
Density	1270	kg/m ³	ISO 1183
Density	1270	kg/m ³	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, Europe, Asia Pacific