

Product Texts

LNP LUBRICOMP AL002 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing 10% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101344446](https://www.ulprospector.com/abs/properties/101344446)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.6	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.6	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1940	MPa	ISO 527
Yield stress	37	MPa	ISO 527
Yield strain	2.2	%	ISO 527
Stress at break	32	MPa	ISO 527
Strain at break	32.2	%	ISO 527
Flexural modulus	2200	MPa	ISO 178
Flexural strength	63	MPa	ISO 178
Izod impact strength, +23°C, 4mm	42	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2130	MPa	ASTM D 638
Tensile Strength at Yield	37	MPa	ASTM D 638
Tensile Strength at Break	32	MPa	ASTM D 638
Elongation at Yield	2.6	%	ASTM D 638
Elongation at Break	21	%	ASTM D 638
Flexural Modulus	2190	MPa	ASTM D 790
Flexural Strength	62	MPa	ASTM D 790
Izod Impact notched, 1/8 in	58	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	843	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	84	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	92	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 66 psi	91	°C	ASTM D 648
DTUL @ 264 psi	89	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183
Density	1100	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	260	°C	-
Mold temperature	70 - 80	°C	-
Zone 1	205 - 215	°C	-
Zone 2	230 - 245	°C	-
Zone 3	265 - 275	°C	-

LNP™ LUBRICOMP™ Compound AL002

(ABS+PTFE)

Saudi Basic Industries Corporation (SABIC)

Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific