

LNP™ LUBRICOMP™ Compound AL001

(ABS+PTFE)

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP LUBRICOMP AL001 compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing 5% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E207780-101345218](https://www.ulprospector.com/abs/properties/207780-101345218)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.7	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.7	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	39	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Modulus	2460	MPa	ASTM D 790
Flexural Strength	69	MPa	ASTM D 790
Izod Impact notched, 1/8 in	101	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	587	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 264 psi	80	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1090	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	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific