

LNP™ LUBRILOY™ Compound N2000

(PC+ABS)

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP LUBRILOY N2000 compound is based on unfilled Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS). Added features of this grade include excellent BSR (Buzz, Squeak, Rattle) performance. Custom colorable, low gloss, internally lubricated without silicones or fluorinated polymers. Good impact and flow properties.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	9	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2060	MPa	ISO 527
Yield stress	46	MPa	ISO 527
Yield strain	5	%	ISO 527
Stress at break	42	MPa	ISO 527
Strain at break	21	%	ISO 527
Flexural modulus	2020	MPa	ISO 178
Charpy notched impact strength, +23°C	39	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	16	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	37	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	16	kJ/m ²	ISO 180/1A
ASTM Data			
Izod Impact notched, 1/8 in	39	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	102	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183
Density	1120	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 110	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 265	°C	-
Mold temperature	60 - 90	°C	-
Zone 1	240 - 265	°C	-
Zone 2	240 - 265	°C	-
Zone 3	240 - 265	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific