

LNP™ LUBRILOY™ D2000I compound

Polycarbonate
SABIC Innovative Plastics

Message:

LNP LUBRILOY D2000I is a compound based on Polycarbonate resin containing Proprietary Lubricant. Added features of this material include: Wear Resistant, High Impact.
Also known as: LNP* LUBRILOY* Compound D-HI
Product reorder name: D2000I

General Information			
UL YellowCard	E121562-101283871		
Additive	Lubricant		
Features	Good Wear Resistance		
	High Impact Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	49.6	MPa	
Break	54.5	MPa	
Tensile Elongation			ASTM D638
Yield	5.6	%	
Break	130	%	
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.32		
vs. Itself - Static	0.22		
Wear Factor - Washer	35.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-40°C	540	J/m	ASTM D256
23°C	780	J/m	ASTM D256
-40°C ¹	43	kJ/m ²	ISO 180/1A
Unnotched Izod Impact (23°C)	1800	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	120	°C	ASTM D648

CLTE			
Flow : -40 to 40°C	1.3E-4	cm/cm/°C	ASTM E831
Flow : -40 to 40°C	8.0E-5	cm/cm/°C	ISO 11359-2
Transverse : -40 to 40°C	1.4E-4	cm/cm/°C	ASTM E831
Transverse : -40 to 40°C	8.5E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 to 304	°C	
Middle Temperature	299 to 310	°C	
Front Temperature	304 to 316	°C	
Processing (Melt) Temp	304 to 316	°C	
Mold Temperature	65.6 to 93.3	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	80*10*4		

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Recommended distributors for this material

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