

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: Internally Lubricated.
Also known as: LNP* LUBRILOY* Compound D-HI
Product reorder name: D2000I

General Information			
UL YellowCard	E207780-101283841		
Additive	Lubricant		
Features	Lubrication		
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	ASTM D638
Fracture	54.5	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	5.6	%	ASTM D638
Fracture	130	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
With self-dynamics	0.32		ASTM D3702 Modified
With Self-Static	0.22		ASTM D3702 Modified
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
Linear thermal expansion coefficient			
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
Lateral: -40 to 40°C	1.4E-4	cm/cm/°C	ASTM E831

Lateral: -40 to 40°C	8.5E-5	cm/cm/°C	ISO 11359-2
NOTE			

1. 80*10*4

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Recommended distributors for this material

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