LNP™ LUBRILOY™ COMPOUND D2000I

D-HI
REGION ASIA

DESCRIPTION

LNP LUBRILOY D2000I is a compound based on Polycarbonate resin containing Proprietary Lubricant. Added features of this material include: Wear Resistant, High Impact.

TYPICAL PROPERTY VALUES

Revision 20190607

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	49	MPa	ASTM D 638
Tensile Stress, break	54	MPa	ASTM D 638
Tensile Strain, yield	5.6	%	ASTM D 638
Tensile Strain, break	130	%	ASTM D 638
Flexural Stress	68	MPa	ASTM D 790
Flexural Modulus	1860	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	1762	J/m	ASTM D 4812
Izod Impact, notched, 23°C	779	J/m	ASTM D 256
Izod Impact, notched, -40°C	542	J/m	ASTM D 256
Izod Impact, notched 80*10*4 -40°C	43	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	120	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.31E-04	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	1.35E-04	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	8.01E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	8.54E-05	1/°C	ISO 11359-2
Relative Temp Index, Elec (1)	80	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	80	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	80	°C	UL 746B
PHYSICAL			
Density	1.17	g/cm³	ASTM D 792
Wear Factor Washer	35	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.32	-	ASTM D 3702 Modified: Manual
Static COF	0.22	-	ASTM D 3702 Modified: Manual
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-101283841	-	-
UL Recognized, 94HB Flame Class Rating	1.2	mm	UL 94

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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