

LNP* Lubriloy* Compound D2000I

Americas: **COMMERCIAL**

Also known as: D-HI

Product Reorder Name: D2000I

LNP* Lubriloy* D2000I is a compound based on Polycarbonate resin containing Proprietary Lubricant. Added features of this material include: Internally Lubricated.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
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	Value	Unit	Standard
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/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
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
PHYSICAL	Value	Unit	Standard
Density	1.17	g/cm ³	ASTM D 792
Wear Factor Washer	35	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.32	-	ASTM D 3702 Modified
Static COF	0.22	-	ASTM D 3702 Modified

Source GMD, last updated: 10/11/2005

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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