

**Product Texts**

LNP LUBRILOY D2000I compound is based on Polycarbonate (PC) resin containing proprietary lubricant. Added features of this grade include: Wear Resistant, High Impact.

UL Yellow Card Link [E207780-101283841](https://www.ulprospector.com/PC/properties/207780-101283841)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>49</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>54</b>	MPa	ASTM D 638
Elongation at Yield	<b>5.6</b>	%	ASTM D 638
Elongation at Break	<b>130</b>	%	ASTM D 638
Flexural Modulus	<b>1860</b>	MPa	ASTM D 790
Flexural Strength	<b>68</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>779</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>542</b>	J/m	ASTM D 256
Temperature	<b>-40</b>	°C	-
Izod Impact unnotched, 1/8 in	<b>1760</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.2</b>	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>120</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1170</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>100</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>290 - 315</b>	°C	-
Mold temperature	<b>65 - 95</b>	°C	-
Zone 1	<b>275 - 300</b>	°C	-
Zone 2	<b>280 - 300</b>	°C	-
Zone 3	<b>280 - 310</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific