

**Product Texts**

LNP LUBRILOY DX08333 compound is based on Polycarbonate (PC) resin containing proprietary lubricant and carbon fiber. Added features of this grade include: ESD Safe, PTFE-free Wear & Friction Solution and Balanced Mechanical Performance.

UL Yellow Card Link [E207780-101283847](https://www.ul.com/yellowcard/E207780-101283847)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>7310</b>	MPa	ISO 527
Stress at break	<b>113</b>	MPa	ISO 527
Strain at break	<b>2.2</b>	%	ISO 527
Flexural modulus	<b>6760</b>	MPa	ISO 178
Flexural strength	<b>113</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>22</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>6</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	<b>7300</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>72</b>	MPa	ASTM D 638
Elongation at Break	<b>2.2</b>	%	ASTM D 638
Flexural Modulus	<b>6100</b>	MPa	ASTM D 790
Flexural Strength	<b>99</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>60</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>296</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>134</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>140</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>138</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>132</b>	°C	ASTM D 648

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>1000000</b>	Ohm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.1</b>	%	ASTM D 570
Density	<b>1320</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>120</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>305 - 325</b>	°C	-
Mold temperature	<b>80 - 110</b>	°C	-
Zone 1	<b>295 - 305</b>	°C	-
Zone 2	<b>310 - 320</b>	°C	-
Zone 3	<b>320 - 330</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