

**Product Texts**

LNP LUBRICOMP DX00467H compound is based on Polycarbonate (PC) resin containing proprietary fillers. Added features of this grade include: Healthcare, Wear Resistant.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.81	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.99	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2040	MPa	ISO 527
Yield stress	61	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2070	MPa	ISO 178
Flexural strength	84	MPa	ISO 178
Izod impact strength, +23°C, 4mm	203	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	56	kJ/m <sup>2</sup>	ISO 180/1A

<b>ASTM Data</b>			
Tensile Modulus	2260	MPa	ASTM D 638
Tensile Strength at Yield	62	MPa	ASTM D 638
Tensile Strength at Break	49	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	59	%	ASTM D 638
Flexural Modulus	2220	MPa	ASTM D 790
Izod Impact notched, 1/8 in	696	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1740	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	124	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	137	°C	ISO 75-1/-2
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	7.99	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	7.99	E-6/K	ASTM D 696
DTUL @ 66 psi	137	°C	ASTM D 648
DTUL @ 264 psi	125	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.15	%	Sim. to ISO 62
Water Absorption, 24hr	0.32	%	ASTM D 570
Density	1190	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific