

Product Texts

LNP LUBRICOMP DX09407H compound is based on High Heat Polycarbonate (PC) resin containing proprietary fillers. Added features of this grade include: Wear Resistant, Healthcare.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.6	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.7	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2130	MPa	ISO 527
Yield stress	64	MPa	ISO 527
Yield strain	6.9	%	ISO 527
Stress at break	56	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2080	MPa	ISO 178
Izod impact strength, +23°C, 4mm	191	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	11	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Modulus	2230	MPa	ASTM D 638
Tensile Strength at Yield	64	MPa	ASTM D 638
Tensile Strength at Break	53	MPa	ASTM D 638
Elongation at Yield	6.8	%	ASTM D 638
Elongation at Break	68	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Izod Impact notched, 1/8 in	139	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	2210	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	137	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 264 psi	139	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.21	%	Sim. to ISO 62
Density	1210	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	295 - 315	°C	-
Mold temperature	70 - 95	°C	-
Zone 1	270 - 295	°C	-
Zone 2	280 - 305	°C	-
Zone 3	295 - 315	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific