

**Product Texts**

LNP LUBRICOMP WX07423H compound is based on Polybutylene Terephthalate (PBT) resin containing proprietary lubricants. Added features of this grade include: Wear Resistant, Healthcare.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	62	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	2.7	mm/mm	ASTM D 955
Mold Shrinkage, TD	2.6	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2680	MPa	ISO 527
Yield stress	45	MPa	ISO 527
Yield strain	17.8	%	ISO 527
Stress at break	45	MPa	ISO 527
Strain at break	18.9	%	ISO 527
Flexural modulus	2400	MPa	ISO 178
Izod impact strength, +23°C, 4mm	44	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	4	kJ/m <sup>2</sup>	ISO 180/1A

ASTM Data	Value	Unit	Test Standard
Tensile Modulus	2550	MPa	ASTM D 638
Tensile Strength at Yield	43	MPa	ASTM D 638
Tensile Strength at Break	43	MPa	ASTM D 638
Elongation at Yield	11	%	ASTM D 638
Elongation at Break	14	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Izod Impact notched, 1/8 in	30	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	550	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 264 psi	55	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1400	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.07	%	ASTM D 570
Density	1400	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	≤0.05	%	-
Melt temperature	240 - 265	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	220 - 230	°C	-
Zone 2	245 - 255	°C	-
Zone 3	260 - 270	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific