

Product Texts

LNP LUBRICOMP WL004 compound is based on Polybutylene Terephthalate (PBT) resin containing 20% PTFE. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E121562-101282607](https://www.ulprospector.com/usa/121562-101282607)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	2.5	%	ISO 294-4, 2577
Molding shrinkage, normal	2.2	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	2.25	mm/mm	ASTM D 955
Mold Shrinkage, TD	2.25	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2420	MPa	ISO 527
Stress at break	45	MPa	ISO 527
Strain at break	8.4	%	ISO 527
Flexural modulus	2390	MPa	ISO 178
Flexural strength	77	MPa	ISO 178
Izod impact strength, +23°C, 4mm	27	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	3	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2410	MPa	ASTM D 638
Tensile Strength at Break	48	MPa	ASTM D 638
Elongation at Break	9.8	%	ASTM D 638
Flexural Modulus	2410	MPa	ASTM D 790
Flexural Strength	78	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	437	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	61	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thckn. Thickness tested	HB	class	IEC 60695-11-10
	1.5	mm	-
ASTM Data			
DTUL @ 264 psi	55	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.08	%	Sim. to ISO 62
Density	1430	kg/m ³	ISO 1183
Water Absorption, 24hr	0.05	%	ASTM D 570
Density	1430	kg/m ³	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