

Product Texts

LNP LUBRICOMP WG003 compound is based on Polybutylene Terephthalate (PBT) resin containing graphite. Added features of this grade include: Internally Lubricated, Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	50	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Flexural modulus	3200	MPa	ISO 178
Izod impact strength, +23°C, 4mm	20	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	4	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	71	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	179	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	81	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	97	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ISO 1183

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