

Product Texts

LNP LUBRICOMP 2FL24 compound is based on Ethylene Tetrafluoroethylene (ETFE) resin containing 20% glass fiber and 10% PTFE. Added features of this grade include: Wear Resistant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.7	mm/mm	ASTM D 955
Mold Shrinkage, TD	2	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5000	MPa	ISO 527
Stress at break	67	MPa	ISO 527
Strain at break	6.2	%	ISO 527
Flexural modulus	4980	MPa	ISO 178
Flexural strength	89	MPa	ISO 178
Izod impact strength, +23°C, 4mm	92	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	45	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	6440	MPa	ASTM D 638
Tensile Strength at Break	69	MPa	ASTM D 638
Elongation at Break	6.5	%	ASTM D 638
Flexural Modulus	4760	MPa	ASTM D 790
Izod Impact notched, 1/8 in	488	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1340	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	160	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	239	°C	ISO 75-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	23.9	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	94	E-6/K	ASTM D 696
DTUL @ 66 psi	251	°C	ASTM D 648
DTUL @ 264 psi	198	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.01	%	Sim. to ISO 62
Density	1800	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Melt temperature	315	°C	-
Mold temperature	90 - 120	°C	-
Zone 1	280 - 300	°C	-
Zone 2	300 - 325	°C	-
Zone 3	325 - 340	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific