

Product Texts

LNP LUBRICOMP DFP36 compound is based on Polycarbonate (PC) resin containing 30% glass fiber, 15% PTFE/silicone. Added features of this grade include: Wear Resistant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8700	MPa	ISO 527
Izod impact strength, +23°C, 4mm	49	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	13	kJ/m ²	ISO 180/1A
ASTM Data			
Izod Impact notched, 1/8 in	179	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	736	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	140	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	146	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.12	%	Sim. to ISO 62
Water Absorption, 24hr	0.08	%	ASTM D 570

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America