

Product Texts

LNP LUBRICOMP FX04491H compound is based on Polyethylene (PE) resin containing proprietary fillers. Added features of this grade include: Wear Resistant, Healthcare

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	2.4	mm/mm	ASTM D 955
Mold Shrinkage, TD	1.6	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	24	MPa	ASTM D 638
Elongation at Yield	7.4	%	ASTM D 638
Flexural Modulus	10680	MPa	ASTM D 790
Flexural Strength	23	MPa	ASTM D 790
Izod Impact notched, 1/8 in	45	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	42	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	932	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	230	°C	-
Mold temperature	40 - 55	°C	-
Zone 1	195 - 205	°C	-
Zone 2	210 - 220	°C	-
Zone 3	220 - 230	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific