



LNP™ LUBRICOMP™ Compound FX04491H

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound PDX-F-04491

Product reorder name: FX04491H

LNP LUBRICOMP™ FX04491H is a compound based on Polyethylene resin containing Proprietary Fillers. Added features of this material include: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	250	kgf/cm ²	ASTM D 638
Tensile Strain, yield	7.4	%	ASTM D 638
Flexural Stress	230	kgf/cm ²	ASTM D 790
Flexural Modulus	108900	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	NB	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	42	°C	ASTM D 648
PHYSICAL			
Density	0.932	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	2.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1.6	%	ASTM D 955
Wear Factor Washer	24	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.13	-	ASTM D 3702 Modified
Static COF	0.11	-	ASTM D 3702 Modified



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	230	°C
Front - Zone 3 Temperature	220 - 230	°C
Middle - Zone 2 Temperature	210 - 220	°C
Rear - Zone 1 Temperature	195 - 205	°C
Mold Temperature	40 - 55	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm