

# LNP™ LUBRICOMP™ FX04491H compound

Polyethylene

SABIC Innovative Plastics

## Message:

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

Also known as: LNP\* LUBRICOMP\* Compound PDX-F-04491

Product reorder name: FX04491H

General Information			
Filler / Reinforcement	Proprietary		
Features	Good Wear Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.932	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	2.4	%	
Across Flow : 24 hr	1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Yield)	7.4	%	ASTM D638
Flexural Modulus	10700	MPa	ASTM D790
Flexural Strength	23.4	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.13		
vs. Itself - Static	0.11		
Wear Factor - Washer	24.0	10 <sup>-10</sup> in <sup>5</sup> -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	46	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	42.2	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	193 to 204	°C	
Middle Temperature	210 to 221	°C	
Front Temperature	221 to 232	°C	
Processing (Melt) Temp	232	°C	
Mold Temperature	37.8 to 54.4	°C	

Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

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#### Recommended distributors for this material

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