

LNP™ LUBRICOMP™ COMPOUND FX04491H

PDX-F-04491
REGION AMERICAS

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20170816

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	24	MPa	ASTM D 638
Tensile Strain, yield	7.4	%	ASTM D 638
Flexural Stress	23	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	NB	J/m	ASTM D 4812
Izod Impact, notched, 23°C	45	J/m	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: Manual
Dynamic COF	0.13	-	ASTM D 3702 Modified: Manual
Static COF	0.11	-	ASTM D 3702 Modified: Manual
MECHANICAL PROPERTIES			
Flexural modulus	10680	MPa	ISO 178/1A
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Melt Temperature	230	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
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	

DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

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