LNP™ LUBRICOMP™ COMPOUND FX04491H

PDX-F-04491

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 20191210

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
Flexural Modulus	10680	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/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	2.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	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
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	

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