LNP™ LUBRICOMP™ COMPOUND RFL16

RFL-4016
REGION ASIA

DESCRIPTION

LNP LUBRICOMP RFL16 is a compound based on Nylon 66 resin containing 30% Glass Fiber, 5% PTFE. Added features of this material include: Wear Resistant.

TYPICAL PROPERTY VALUES

Revision 20190409

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	183	MPa	ASTM D 638
Tensile Strain, break	3.2	%	ASTM D 638
Flexural Stress	270	MPa	ASTM D 790
Flexural Modulus	9300	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	1070	J/m	ASTM D 4812
Izod Impact, notched, 23°C	110	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	249	°C	ASTM D 648
Relative Temp Index, Elec [(1)]	65	°C	UL 746B
Relative Temp Index, Mech w/impact [(1)]	65	°C	UL 746B
Relative Temp Index, Mech w/o impact [(1)]	65	°C	UL 746B
PHYSICAL			
Density	1.43	g/cm³	ASTM D 792
Wear Factor Washer	16	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.62	-	ASTM D 3702 Modified: Manual
Static COF	0.53	-	ASTM D 3702 Modified: Manual
FLAME CHARACTERISTICS [(1)]			
UL Yellow Card Link	E207780-103093655	-	-
UL Recognized, 94HB Flame Class Rating	≥1.5	mm	UL 94
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	280 – 305	°C	
Front - Zone 3 Temperature	295 – 305	°C	
Middle - Zone 2 Temperature	280 – 295	°C	
Rear - Zone 1 Temperature	265 – 275	°C	
Mold Temperature	95 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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