LNP™ LUBRICOMP™ COMPOUND QFP36

QFL-4536
REGION ASIA

DESCRIPTION

LNP LUBRICOMP* QFP36 is a compound based on Nylon 6/10 resin containing 30% Glass Fiber, 15% PTFE/Silicone. Added features of this material include: Wesr Resistant.

TYPICAL PROPERTY VALUES

Revision 20190609

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	136	MPa	ASTM D 638
Tensile Strain, break	2.8	%	ASTM D 638
Flexural Stress	212	MPa	ASTM D 790
Flexural Modulus	8610	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	907	J/m	ASTM D 4812
Izod Impact, notched, 23°C	90	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	201	°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	1.44	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.9	%	ASTM D 955
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-103093577	-	-
UL Recognized, 94HB Flame Class Rating	0.75	mm	UL 94
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.12 – 0.2	%	
Melt Temperature	270 – 275	°C	
Front - Zone 3 Temperature	270 – 280	°C	
Middle - Zone 2 Temperature	260 – 270	°C	
Rear - Zone 1 Temperature	250 – 260	°C	
Mold Temperature	80 – 95	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

(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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