LNP™ LUBRICOMP™ COMPOUND XFL36

XFL-4036

DESCRIPTION

LNP LUBRICOMP XFL36 is a compound based on Amorphous Nylon containing 30% Glass Fiber and 15% PTFE. Added feature of this material is: Wear Resistant.

TYPICAL PROPERTY VALUES

Revision 20191210

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	127	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	3 – 4	%	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	172	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	7920	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	267	J/m	ASTM D 4812
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	137	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.47	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.15	%	ASTM D 570
INJECTION MOLDING			
Drying Temperature	100 – 120	°C	
Drying Time	6 – 12	hrs	
Maximum Moisture Content	0.1	%	
Melt Temperature	260 – 300	°C	
Front - Zone 3 Temperature	290 – 300	°C	
Middle - Zone 2 Temperature	270 – 290	°C	
Rear - Zone 1 Temperature	260 – 270	°C	
Mold Temperature	50 – 100	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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