

LNPT[™] LUBRICOMP[™] COMPOUND XFL36

XFL-4036

DESCRIPTION

LNP LUBRICOMP XFL36 compound is based on Amorphous Nylon resin containing 30% glass fiber and 15% PTFE. Added features of this grade include: Wear Resistant.

GENERAL INFORMATION	
Features	Wear resistant, High stiffness/Strength
Fillers	Glass Fiber, PTFE
Polymer Types	Polyamide, Unspecified (Nylon, Unspecified)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance
Electrical and Electronics	Mobile Phone - Computer - Tablets
Industrial	Electrical

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, brk, Type I, 5 mm/min	127	MPa	ASTM D638
Tensile Strain, brk, Type I, 5 mm/min	3 – 4	%	ASTM D638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	172	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	7920	MPa	ASTM D790
IMPACT ⁽¹⁾			
Izod Impact, unnotched, 23°C	267	J/m	ASTM D4812
THERMAL ⁽¹⁾			
HDT, 1.82 MPa, 3.2mm, unannealed	137	°C	ASTM D648
PHYSICAL ⁽¹⁾			
Specific Gravity	1.47	-	ASTM D792
Moisture Absorption, (23°C/50% RH/24 hrs)	0.15	%	ASTM D570
INJECTION MOLDING ⁽²⁾			
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	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

- (1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
- (2) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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