LNP™ LUBRICOMP™ Compound MFL36S

MFXL-4036 HS
REGION AMERICAS

DESCRIPTION

LNP LUBRICOMP MFL36S compound is based on Polypropylene (PP) resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Heat Stabilized, Wear Resistant.

GENERAL INFORMATION	
Features	Heat Stabilized, Wear resistant, High stiffness/Strength
Fillers	Glass Fiber, PTFE
Polymer Types	Polypropylene, Unspecified (PP, 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 20260904

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, break	71	MPa	ASTM D638
Tensile Strain, break	2.9	%	ASTM D638
Tensile Modulus, 50 mm/min	7600	MPa	ASTM D638
Flexural Stress	117	MPa	ASTM D790
Flexural Modulus	5870	MPa	ASTM D790
IMPACT [1]			
Izod Impact, Unnotched			
23°C	590	J/m	ASTM D4812
Izod impact, notched			
23°C	90	J/m	ASTM D256
PHYSICAL [1]			
Density	1.27	g/cm³	ASTM D792
Mold Shrinkage, flow, 24 hrs [2]	0.4	%	ASTM D955
INJECTION MOLDING [3]			
Drying Temperature	80	°C	
Drying Time	4	Hrs	
Melt Temperature	225 – 250	°C	
Front - Zone 3 Temperature	240 – 250	°C	
Middle - Zone 2 Temperature	215 – 225	°C	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Rear - Zone 1 Temperature	195 – 205	°C	
Mold Temperature	30 – 50	°C	
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) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

(3) 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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