



LNP™ LUBRICOMP™ Compound SFL2A

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound SFL-402-10

Product reorder name: SFL2A

LNP LUBRICOMP SFL2A is a compound based on Nylon 12 resin containing 50% Glass Fiber, 10% PTFE. Added feature of this material is: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1520	kgf/cm ²	ASTM D 638
Tensile Strain, break	3.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	163800	kgf/cm ²	ASTM D 638
Flexural Stress	2460	kgf/cm ²	ASTM D 790
Flexural Modulus	133800	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	92	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	11	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	174	°C	ASTM D 648
PHYSICAL			
Density	1.64	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.6	%	ASTM D 570



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.12 - 0.2	%
Melt Temperature	225 - 240	°C
Front - Zone 3 Temperature	225 - 240	°C
Middle - Zone 2 Temperature	220 - 230	°C
Rear - Zone 1 Temperature	215 - 225	°C
Mold Temperature	70 - 80	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm