



LNP™ LUBRICOMP™ Compound AL001

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound AL-4010 HP

Product reorder name: AL001

LNP* LUBRICOMP* AL001 is a compound based on Acrylonitrile Butadiene Styrene resin containing 5% PTFE. Added feature of this material is: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	400	kgf/cm ²	ASTM D 638
Tensile Strain, break	15	%	ASTM D 638
Flexural Stress	710	kgf/cm ²	ASTM D 790
Flexural Modulus	25100	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	59	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	10	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	80	°C	ASTM D 648
PHYSICAL			
Density	1.09	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.7	%	ASTM D 955



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05 - 0.1	%
Melt Temperature	260	°C
Front - Zone 3 Temperature	265 - 275	°C
Middle - Zone 2 Temperature	230 - 245	°C
Rear - Zone 1 Temperature	205 - 215	°C
Mold Temperature	70 - 80	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm