



LNP™ LUBRICOMP™ Compound CL001I

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound CL-4010 HI

Product reorder name: CL001I

LNP* LUBRICOMP* CL001I is a compound based on Polystyrene resin containing 5% PTFE. Added features of this material include: Wear Resistant, High Impact.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	210	kgf/cm ²	ASTM D 638
Tensile Strain, break	37	%	ASTM D 638
Tensile Modulus, 50 mm/min	18900	kgf/cm ²	ASTM D 638
Flexural Stress	350	kgf/cm ²	ASTM D 790
Flexural Modulus	18900	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	81	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	9	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	72	°C	ASTM D 648
PHYSICAL			
Density	1.06	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.6	%	ASTM D 955



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	250	°C
Front - Zone 3 Temperature	265 - 275	°C
Middle - Zone 2 Temperature	245 - 255	°C
Rear - Zone 1 Temperature	220 - 230	°C
Mold Temperature	40 - 65	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm