



LNP™ LUBRICOMP™ Compound KL002L

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound KL-4020 LE

Product reorder name: KL002L

LNP LUBRICOMP KL002L is a compound based on Acetal Copolymer resin containing 10% PTFE. Added features of this grade include: Wear Resistant, Low Extractible.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	480	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	9.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	26000	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	690	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	24100	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	57	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	5	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	92	°C	ASTM D 648
PHYSICAL			
Density	1.45	g/cm ³	ASTM D 792



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	200 - 215	°C
Front - Zone 3 Temperature	210 - 220	°C
Middle - Zone 2 Temperature	195 - 205	°C
Rear - Zone 1 Temperature	175 - 190	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm