



LNP™ LUBRICOMP™ Compound RA004

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound RA-1004

Product reorder name: RA004

LNP LUBRICOMP™ RA004 is a compound based on Nylon 66 resin containing 20% Aramid. Added features of this material include: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	890	kgf/cm ²	ASTM D 638
Tensile Strain, break	4.5	%	ASTM D 638
Flexural Stress	1400	kgf/cm ²	ASTM D 790
Flexural Modulus	44900	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	37	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	3	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	171	°C	ASTM D 648
PHYSICAL			
Density	1.23	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	1.5	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	2	%	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	0.15 - 0.25	%
Melt Temperature	275 - 290	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	80 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm