



LNP™ LUBRICOMP™ Compound RFL36S

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound RFL-4036 HS

Product reorder name: RFL36S

LNP LUBRICOMP RFL36S is a compound based on Nylon 66 resin containing 30% Glass Fiber, 15% PTFE. Added features of this material include: Wear Resistant, Heat Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1410	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.1	%	ASTM D 638
Flexural Stress	2410	kgf/cm ²	ASTM D 790
Tensile Stress, break	138	MPa	ISO 527
Tensile Strain, break	2.1	%	ISO 527
Flexural Stress	211	MPa	ISO 178
Flexural Modulus	9700	MPa	ISO 178
IMPACT			
Instrumented Impact Energy @ peak, 23°C	108	cm-kgf	ASTM D 3763
Multiaxial Impact	29	cm-kgf	ISO 6603
THERMAL			
CTE, -40°C to 40°C, flow	3.79E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	3.78E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	5.5E-05	1/°C	ISO 11359-2
PHYSICAL			
Density	1.51	g/cm ³	ASTM D 792
Wear Factor Washer	12	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.58	-	ASTM D 3702 Modified



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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	280 - 305	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	95 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm