



LNP™ LUBRICOMP™ Compound UFL36S

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound BGU

Product reorder name: UFL36S

LNP LUBRICOMP™ UFL36S is a compound based on Polyphthalamide resin containing 30% Glass Fiber, 15% PTFE. Added features of this material include: Heat Stabilized, Wear Resistant, Bearing Grade.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	2000	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	126500	kgf/cm ²	ASTM D 638
Flexural Stress	2860	kgf/cm ²	ASTM D 790
Flexural Modulus	110300	kgf/cm ²	ASTM D 790
Tensile Stress, break	196	MPa	ISO 527
Tensile Strain, break	2.5	%	ISO 527
Tensile Modulus, 1 mm/min	9880	MPa	ISO 527
Flexural Stress	285	MPa	ISO 178
Flexural Modulus	11220	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	105	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	11	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	67	cm-kgf	ASTM D 3763
Multiaxial Impact	26	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	70	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	12	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	259	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	263	°C	ISO 75/Af
PHYSICAL			
Density	1.55	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.33	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.2	%	ASTM D 955



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PHYSICAL			
Mold Shrinkage, xflow, 24 hrs (5)	0.8	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.17	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.82	%	ISO 294
Wear Factor Washer	18	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.59	-	ASTM D 3702 Modified
Static COF	0.52	-	ASTM D 3702 Modified
Density	1.55	g/cm ³	ISO 1183



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15	%
Melt Temperature	315 - 330	°C
Front - Zone 3 Temperature	325 - 340	°C
Middle - Zone 2 Temperature	315 - 325	°C
Rear - Zone 1 Temperature	310 - 320	°C
Mold Temperature	150 - 170	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm