



LNP™ LUBRICOMP™ Compound DFL36

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound DFL-4036

Product reorder name: DFL36

LNP™ LUBRICOMP™ DFL36 is a compound based on Polycarbonate resin containing 30% Glass Fiber, 15% PTFE. Added feature of this material is: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1250	kgf/cm ²	ASTM D 638
Tensile Stress, break	1250	kgf/cm ²	ASTM D 638
Tensile Strain, yield	2.6	%	ASTM D 638
Tensile Strain, break	2.8	%	ASTM D 638
Tensile Modulus, 50 mm/min	97700	kgf/cm ²	ASTM D 638
Flexural Stress	1890	kgf/cm ²	ASTM D 790
Flexural Modulus	87800	kgf/cm ²	ASTM D 790
Tensile Stress, yield	118	MPa	ISO 527
Tensile Stress, break	118	MPa	ISO 527
Tensile Strain, yield	2.6	%	ISO 527
Tensile Strain, break	2.7	%	ISO 527
Tensile Modulus, 1 mm/min	9080	MPa	ISO 527
Flexural Stress	185	MPa	ISO 178
Flexural Modulus	8340	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	94	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	20	cm-kgf/cm	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	55	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	18	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	143	°C	ASTM D 648
PHYSICAL			
Density	1.54	g/cm ³	ASTM D 792
Mold Shrinkage, xflow, 24 hrs (5)	0.5	%	ASTM D 955



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PHYSICAL			
Wear Factor Washer	22	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.46	-	ASTM D 3702 Modified
Static COF	0.41	-	ASTM D 3702 Modified



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	305 - 325	°C
Front - Zone 3 Temperature	320 - 330	°C
Middle - Zone 2 Temperature	310 - 320	°C
Rear - Zone 1 Temperature	295 - 305	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm