



LNP™ LUBRICOMP™ Compound DFP36

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound DFL-4536

Product reorder name: DFP36

LNP™ LUBRICOMP™ DFP36 is a compound based on Polycarbonate resin containing 30% Glass Fiber, 15% PTFE/Silicone. Added feature of this material is: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Modulus, 1 mm/min	8700	MPa	ISO 527
Flexural Strain, break, 2 mm/min	0	%	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	75	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	18	cm-kgf/cm	ASTM D 256
Multiaxial Impact	74	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	49	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	16	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	146	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	144	°C	ISO 75/Af
PHYSICAL			
Moisture Absorption, 50% RH, 24 hrs	0.08	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0 - 0	%	ASTM D 955
Wear Factor Washer	0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Wear Factor Ring	0 - 0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	-0	-	ASTM D 3702 Modified
Static COF	-0	-	ASTM D 3702 Modified
Moisture Absorption (23°C / 50% RH)	0.12	%	ISO 62



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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