



LNP™ LUBRICOMP™ Compound PFL36

Americas: COMMERCIAL

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

Product reorder name: PFL36

LNP LUBRICOMP PFL36 is a compound based on Nylon 6 resin containing 30% Glass Fiber, 15% PTFE. Added features of this material include: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1120	kgf/cm ²	ASTM D 638
Tensile Stress, break	1110	kgf/cm ²	ASTM D 638
Tensile Strain, yield	5.8	%	ASTM D 638
Tensile Strain, break	6.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	84300	kgf/cm ²	ASTM D 638
Flexural Modulus	56200	kgf/cm ²	ASTM D 790
Tensile Stress, yield	113	MPa	ISO 527
Tensile Stress, break	113	MPa	ISO 527
Tensile Strain, yield	4.1	%	ISO 527
Tensile Strain, break	4.4	%	ISO 527
Tensile Modulus, 1 mm/min	7880	MPa	ISO 527
Flexural Stress	172	MPa	ISO 178
Flexural Modulus	7000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	111	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	15	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	193	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	79	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	216	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	201	°C	ASTM D 648
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	216	°C	ISO 75/Bf



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
THERMAL HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	202	°C	ISO 75/Af
PHYSICAL Density	1.51	g/cm ³	ISO 1183



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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	265 - 275	°C
Front - Zone 3 Temperature	275 - 290	°C
Middle - Zone 2 Temperature	265 - 275	°C
Rear - Zone 1 Temperature	250 - 260	°C
Mold Temperature	80 - 95	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	30 - 60	rpm