



LNP™ LUBRICOMP™ Compound PFL38S

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound PFL-4038 HS

Product reorder name: PFL38S

LNP LUBRICOMP PFL38S is a compound based on Nylon 6 resin containing 40% Glass Fiber, 15% PTFE. Added features of this material include: Heat Stabilized, Wear Resistant

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	1540	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.5	%	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	2240	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	105400	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	92	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	13	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	212	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.59	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.5	%	ASTM D 570
Mold Shrinkage, 48 hrs @ 23°C, flow	0.3 - 0.4	%	SABIC Method



LNP™ LUBRICOMP™ Compound PFL38S

Americas: COMMERCIAL

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