

# LNP™ LUBRICOMP™ PFL38S compound

Polyamide 6

SABIC Innovative Plastics

Message:

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

Also known as: LNP\* LUBRICOMP\* Compound PFL-4038 HS

Product reorder name: PFL38S

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
	PTFE Lubricant (15%)		
Features	Good Wear Resistance		
	Heat Stabilized		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (23°C, 48 hr)	0.30 to 0.40	%	Internal Method
Water Absorption (24 hr, 50% RH)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	152	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	2.5	%	ASTM D638
Flexural Modulus <sup>3</sup> (50.0 mm Span)	10300	MPa	ASTM D790
Flexural Strength <sup>4</sup> (Break, 50.0 mm Span)	220	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Unnotched Izod Impact (23°C)	900	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	212	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	249 to 260	°C	
Middle Temperature	266 to 277	°C	
Front Temperature	277 to 288	°C	

Processing (Melt) Temp	266 to 277	°C
Mold Temperature	82.2 to 93.3	°C
Back Pressure	0.344 to 0.689	MPa
Screw Speed	30 to 60	rpm

#### NOTE

- |    |                    |
|----|--------------------|
| 1. | Type I, 5.0 mm/min |
| 2. | Type I, 5.0 mm/min |
| 3. | 1.3 mm/min         |
| 4. | 1.3 mm/min         |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

