

SABIC Innovative Plastics LNP LUBRICOMP PFL38S PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-PFL38S-PA-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.59 g/cc	1.59 g/cc	ASTM D792
Moisture Absorption	0.500 %	0.500 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	48 hrs @ 23Â°C, flow; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	152 MPa	22000 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.5 %	2.5 %	Type I, 5 mm/min; ASTM D638
Flexural Strength	220 MPa	31900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	10.34 GPa	1500 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	1.33 J/cm	2.49 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.04 J/cm	16.9 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	212 Â°C @Thickness 3.20 mm	414 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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