

SABIC Innovative Plastics LNP LUBRICOMP XFL36 AMORPHOUS POLYAMIDE

Category : Polymer , Thermoplastic , Nylon , Amorphous Nylon

Material Notes:

LNP* LUBRICOMP* XFL36 is a compound based on Amorphous Nylon containing 30% Glass Fiber and 15% PTFE. Added feature of this material is: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-XFL36-AMORPHOUS-POLYAMIDE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792
Moisture Absorption	0.150 %	0.150 %	50% RH, 24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	127 MPa	18400 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	3.0 - 4.0 %	3.0 - 4.0 %	Type I, 5 mm/min; ASTM D638
Flexural Strength	172 MPa	24900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	7.92 GPa	1150 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Unnotched	2.67 J/cm	5.00 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	137 Â°C @Thickness 3.20 mm	279 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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