

SABIC Innovative Plastics LNP LUBRICOMP PFN16 PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP* LUBRICOMP* PFN16 is a compound based on Nylon 6 resin containing 30% Glass Fiber, 2% MOS2. Added features of this material include: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-PFN16-PA-6.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Time 86400 sec	0.0040 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	168 MPa	24400 psi	ASTM D638
Elongation at Break	3.3 %	3.3 %	ASTM D638
Tensile Modulus	9.90 GPa	1440 ksi	50 mm/min; ASTM D638
Flexural Strength	248 MPa	36000 psi	ASTM D790
Flexural Modulus	8.70 GPa	1260 ksi	ASTM D790
Izod Impact, Notched	1.22 J/cm	2.29 ft-lb/in	ASTM D256
Izod Impact, Unnotched	11.81 J/cm	22.12 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	208 Å°C @Thickness 3.20 mm	406 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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