

SABIC Innovative Plastics LNP LUBRICOMP PFI12R PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP* LUBRICOMP* PFI12R is a compound based on Nylon 6 resin containing 10% Glass Fiber, 2% Silicone. Added features of this material include: Wear Resistant, Mold Release.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-PFI12R-PA-6.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Time 86400 sec	0.0050 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	105 MPa	15200 psi	ASTM D638
Elongation at Break	3.2 %	3.2 %	ASTM D638
Tensile Modulus	4.95 GPa	718 ksi	50 mm/min; ASTM D638
Flexural Strength	151 MPa	21900 psi	ASTM D790
Flexural Modulus	5.25 GPa	761 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	7.13 J/cm	13.4 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	202 Å°C @Thickness 3.20 mm	396 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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