

SABIC Innovative Plastics LNP THERMOTUF PX06416 PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP* Thermotuf* PX06416 is a compound based on Nylon 6 resin containing Glass Fiber. Added features of this material include: High Impact.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOTUF-PX06416-PA-6.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 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	82.0 MPa	11900 psi	ASTM D638
Elongation at Break	3.1 %	3.1 %	ASTM D638
Tensile Modulus	4.87 GPa	706 ksi	50 mm/min; ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	3.61 GPa	524 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256
Izod Impact, Unnotched	7.96 J/cm	14.9 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	97.0 Å°C @Thickness 3.20 mm	207 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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