

SABIC Innovative Plastics LNP THERMOTUF VX00585 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Thermotuf* VX00585 is a compound based on Nylon 66 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-VX00585-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 cm/cm @Time 86400 sec	0.0010 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ASTM D638
Elongation at Break	2.6 %	2.6 %	ASTM D638
Tensile Modulus	8.17 GPa	1180 ksi	50 mm/min; ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	7.86 GPa	1140 ksi	ASTM D790
Izod Impact, Notched	1.54 J/cm	2.89 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.55 J/cm	17.9 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	220 Å°C @Thickness 3.20 mm	428 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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