SABIC Innovative Plastics LNP Thermotuf VF002 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP THERMOTUF* VF002 is a compound based on Nylon resin containing Glass Fiber. Added features of this material include: High Impact.This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:
http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermotuf-VF002-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/inÂ³	ASTM D 792
Moisture Absorption at Equilibrium	0.80 % @Time 86400 sec	0.80 % @Time 24.0 hour	50% RH; ASTM D 570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	64.0 MPa	9280 psi	ASTM D 638
Tensile Strength, Yield	66.0 MPa	9570 psi	ASTM D 638
Elongation at Break	4.1 %	4.1 %	ASTM D 638
Elongation at Yield	65.1 %	65.1 %	ASTM D 638
Flexural Strength	96.0 MPa	13900 psi	ASTM D 790
Flexural Modulus	3.27 GPa	474 ksi	ASTM D 790
Izod Impact, Notched	1.70 J/cm @Temperature 23.0 Â°C	3.18 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	8.38 J/cm @Temperature 23.0 Â°C	15.7 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.4 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	28.0 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
Thermal Conductivity	0.300 W/m-K	2.08 BTU-in/hr-ftÂ²-Â°F	ASTM E 1530
Deflection Temperature at 1.8 MPa (264 psi)	222 Â°C @Thickness 3.20 mm	432 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

Thermal Properties	Metric	English	Comments

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