

SABIC Innovative Plastics LNP THERMOTUF VFK33S PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP THERMOTUF* VFK33S is a compound based on Nylon resin containing Glass Fiber, Mineral. Added features of this material include:
Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOTUF-VFK33S-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.325 g/cc	0.04787 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Time 86400 sec	0.0030 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	93.0 MPa	13500 psi	ASTM D638
Elongation at Break	3.2 %	3.2 %	ASTM D638
Tensile Modulus	6.27 GPa	909 ksi	50 mm/min; ASTM D638
Flexural Strength	147 MPa	21300 psi	ASTM D790
Flexural Modulus	5.28 GPa	766 ksi	ASTM D790
Izod Impact, Notched	1.09 J/cm	2.04 ft-lb/in	ASTM D256
Izod Impact, Unnotched	7.81 J/cm	14.6 ft-lb/in	ASTM D4812
Dart Drop, Total Energy	13.0 J	9.59 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	29.1 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature -40.0 - 40.0 $\text{Å}^\circ\text{C}$	16.2 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature -40.0 - 104 $\text{Å}^\circ\text{F}$	ASTM E 831
CTE, linear, Transverse to Flow	78.4 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature -40.0 - 40.0 $\text{Å}^\circ\text{C}$	43.6 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature -40.0 - 104 $\text{Å}^\circ\text{F}$	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	256 $\text{Å}^\circ\text{C}$ @Thickness 3.20 mm	493 $\text{Å}^\circ\text{F}$ @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa	239 $\text{Å}^\circ\text{C}$	462 $\text{Å}^\circ\text{F}$	unannealed; ASTM D648

(264 psi)
Thermal Properties

Metric
@ Thickness 3.20 mm

English
@ Thickness 0.126 in

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China