

SABIC Innovative Plastics LNP Thermotuf VFM53 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP THERMOTUF* VFM53 is a compound based on Nylon resin containing Glass Fiber, Mineral. Added features of this material include:
Heat Stabilized. 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-VFM53-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	84.0 MPa	12200 psi	ASTM D 638
Elongation at Break	4.0 %	4.0 %	ASTM D 638
Flexural Strength	117 MPa	17000 psi	ASTM D 790
Flexural Modulus	3.41 GPa	495 ksi	ASTM D 790
Izod Impact, Notched	0.420 J/cm @Temperature 23.0 Â°C	0.787 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Coefficient of Friction, Dynamic	0.75	0.75	ASTM D 3702 Modified
Coefficient of Friction, Static	0.55	0.55	ASTM D 3702 Modified
K (wear) Factor	207 x 10 ⁻⁸ mmÂ³/N-M	103 x 10 ⁻¹⁰ inÂ³- min/ft-lb-hr	Washer; ASTM D 3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Â°C @Thickness 3.20 mm	185 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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