

## LNP\* Thermotuf\* Compound VFM53

Americas: COMMERCIAL

Also known as: VFM-3353 D  
Product Reorder Name: VFM53

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

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	84	MPa	ASTM D 638
Tensile Strain, break	4	%	ASTM D 638
Flexural Stress	117	MPa	ASTM D 790
Flexural Modulus	3410	MPa	ASTM D 790
IMPACT	Value	Unit	Standard
Izod Impact, notched, 23°C	42	J/m	ASTM D 256
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	85	°C	ASTM D 648
PHYSICAL	Value	Unit	Standard
Density	1.16	g/cm <sup>3</sup>	ASTM D 792
Wear Factor Washer	103	10 <sup>-10</sup> in <sup>4</sup> -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.75	-	ASTM D 3702 Modified
Static COF	0.55	-	ASTM D 3702 Modified

Source GMD, last updated:04/01/2005

### Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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