

## LNP\* Thermotuf\* Compound VX00585

Americas: COMMERCIAL

Also known as: PDX-V-00585  
Product Reorder Name: VX00585

LNP\* Thermotuf\* VX00585 is a compound based on Nylon 66 resin containing Glass Fiber. Added features of this material include: High Impact.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
	Value	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, break	115	MPa	ASTM D 638
Tensile Strain, break	2.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	8170	MPa	ASTM D 638
Flexural Stress	186	MPa	ASTM D 790
Flexural Modulus	7860	MPa	ASTM D 790
<b>IMPACT</b>			
Izod Impact, unnotched, 23°C	955	J/m	ASTM D 4812
Izod Impact, notched, 23°C	154	J/m	ASTM D 256
<b>THERMAL</b>			
HDT, 1.82 MPa, 3.2mm, unannealed	220	°C	ASTM D 648
<b>PHYSICAL</b>			
Density	1.33	g/cm <sup>3</sup>	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.1	%	ASTM D 955

Source GMD, last updated:03/28/2006

### 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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