



LNP™ THERMOTUF™ Compound VX00585

Americas: COMMERCIAL

Also known as: LNP™ THERMOTUF™ Compound PDX-V-00585

Product reorder name: VX00585

LNP THERMOTUF VX00585 is a compound based on Super Tough Nylon resin containing Glass Fiber. Added features of this material include: High Impact.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1170	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	83300	kgf/cm ²	ASTM D 638
Flexural Stress	1890	kgf/cm ²	ASTM D 790
Flexural Modulus	80100	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	97	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	15	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	220	°C	ASTM D 648
PHYSICAL			
Density	1.33	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.1	%	ASTM D 955



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15	%
Melt Temperature	280 - 295	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	275 - 290	°C
Rear - Zone 1 Temperature	260 - 270	°C
Mold Temperature	95 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm