



LNP™ THERMOTUF™ Compound OF006I

Americas: COMMERCIAL

Also known as: LNP™ THERMOTUF™ Compound OF-1006 HI

Product reorder name: OF006I

LNP THERMOTUF™ OF006I is a compound based on PPS - Linear resin containing Glass Fiber. Added features of this material include: High Impact.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1460	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	110300	kgf/cm ²	ASTM D 638
Flexural Stress	2110	kgf/cm ²	ASTM D 790
Flexural Modulus	99800	kgf/cm ²	ASTM D 790
Tensile Stress, break	139	MPa	ISO 527
Tensile Strain, break	2	%	ISO 527
Tensile Modulus, 1 mm/min	9820	MPa	ISO 527
Flexural Stress	212	MPa	ISO 178
Flexural Modulus	10060	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	79	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	17	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	136	cm-kgf	ASTM D 3763
Multiaxial Impact	49	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	50	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	16	kJ/m ²	ISO 180/1A
PHYSICAL			
Density	1.486	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.04	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.23	%	ISO 294



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PHYSICAL			
Mold Shrinkage, xflow, 24 hrs (5)	0.67	%	ISO 294
Density	1.48	g/cm ³	ISO 1183



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Melt Temperature	315 - 320	°C
Front - Zone 3 Temperature	330 - 345	°C
Middle - Zone 2 Temperature	320 - 330	°C
Rear - Zone 1 Temperature	305 - 315	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm