



LNP™ THERMOCOMP™ Compound WF006H

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound WF-1006 HC

Product reorder name: WF006H

LNP THERMOCOMP WF006H is a compound based on PBT resin containing 30% Glass Fiber. Added feature of this grade is: Healthcare.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1220	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	106500	kgf/cm ²	ASTM D 638
Flexural Stress	1890	kgf/cm ²	ASTM D 790
Flexural Modulus	96300	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	72	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	7	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	208	°C	ASTM D 648
PHYSICAL			
Density	1.62	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.6	%	ASTM D 955



LNP™ THERMOCOMP™ Compound WF006H

Americas: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05	%
Melt Temperature	240 - 265	°C
Front - Zone 3 Temperature	260 - 270	°C
Middle - Zone 2 Temperature	245 - 255	°C
Rear - Zone 1 Temperature	220 - 230	°C
Mold Temperature	80 - 100	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm