



LNP™ THERMOCOMP™ Compound AF001H

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound AF-1001 HC
Product reorder name: AF001H

LNP THERMOCOMP AF001H is a compound based on ABS resin containing 5% Glass Fiber. Added feature of this material is: Healthcare.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	410	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	28000	kgf/cm ²	ASTM D 638
Flexural Stress	700	kgf/cm ²	ASTM D 790
Flexural Modulus	27900	kgf/cm ²	ASTM D 790



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05 - 0.1	%
Melt Temperature	260	°C
Front - Zone 3 Temperature	265 - 275	°C
Middle - Zone 2 Temperature	230 - 245	°C
Rear - Zone 1 Temperature	205 - 215	°C
Mold Temperature	70 - 80	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm