

LNP™ THERMOCOMP™ AF001H compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Message:

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

Also known as: LNP* THERMOCOMP* Compound AF-1001 HC

Product reorder name: AF001H

General Information			
Filler / Reinforcement	Glass Fiber,5.0% Filler by Weight		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2750	MPa	ASTM D638
Tensile Strength (Break)	40.7	MPa	ASTM D638
Tensile Elongation (Break)	2.3	%	ASTM D638
Flexural Modulus	2740	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050 to 0.10	%	
Rear Temperature	204 to 216	°C	
Middle Temperature	232 to 243	°C	
Front Temperature	266 to 277	°C	
Processing (Melt) Temp	260	°C	
Mold Temperature	71.1 to 82.2	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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