

LNP™ THERMOCOMP™ RF009H compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP THERMOCOMP RF009H is a compound based on Nylon 66 resin containing 45% Glass Fiber. Added feature of this material is: Healthcare.

Also known as: LNP* THERMOCOMP* Compound RF-1009 EES HC

Product reorder name: RF009H

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	217	MPa	ASTM D638
Tensile Elongation (Break)	2.8	%	ASTM D638
Flexural Strength	324	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1300	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	254	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	266 to 277	°C	
Middle Temperature	282 to 293	°C	
Front Temperature	293 to 304	°C	
Processing (Melt) Temp	282 to 304	°C	
Mold Temperature	93.3 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	

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Recommended distributors for this material

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