

LNP™ THERMOCOMP™ RF009S compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP THERMOCOMP RF009S is a compound based on Nylon 66 resin containing Glass Fiber. Added features of this material include: Heat Stabilized.
Also known as: LNP* THERMOCOMP* Compound RF-1009 HS
Product reorder name: RF009S

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	heat stabilizer		
Features	Thermal Stability		
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 Modulus ¹	16600	MPa	ASTM D638
Tensile Strength (Break)	223	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	13200	MPa	ASTM D790
Flexural Strength	331	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1500	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	253	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	266 - 277	°C	
Middle Temperature	282 - 293	°C	
Front Temperature	293 - 304	°C	
Processing (Melt) Temp	282 - 304	°C	
Mold Temperature	93.3 - 110	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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