

LNP™ THERMOCOMP™ MF004S compound

Polypropylene

SABIC Innovative Plastics

Message:

LNP THERMOCOMP* MF004S is a compound based on Polypropylene resin containing 20% Glass Fiber. Added features of this material include: Chemically Coupled, Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound MFX-1004 HS

Product reorder name: MF004S

General Information			
UL YellowCard	E121562-101283897		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.40	%	
Across Flow : 24 hr	1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	66.2	MPa	ASTM D638
Tensile Elongation (Break)	3.1	%	ASTM D638
Flexural Modulus	4140	MPa	ASTM D790
Flexural Strength	107	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Unnotched Izod Impact (23°C)	530	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	145	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	193 to 204	°C	
Middle Temperature	216 to 227	°C	
Front Temperature	238 to 249	°C	
Processing (Melt) Temp	227 to 249	°C	
Mold Temperature	32.2 to 48.9	°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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