



LNP™ THERMOCOMP™ MF004S compound

General Information

Product Description

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

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• Heat Stabilizer
Features	• Chemically Coupled • Heat Stabilized
Processing Method	• Injection Molding

ASTM and ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	4.0E-3	in/in	ASTM D955
Molding Shrinkage - Across Flow (24 hr)	0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	9600	psi	ASTM D638
Tensile Elongation (Break)	3.1	%	ASTM D638
Flexural Modulus	600000	psi	ASTM D790
Flexural Strength	15500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.80	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	10	ft-lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed, 0.126 in	293	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Rear Temperature	380 to 400	°F
Middle Temperature	420 to 440	°F

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SABIC Innovative Plastics - Polypropylene

Injection	Nominal Value	Unit
Front Temperature	460 to 480	°F
Processing (Melt) Temp	440 to 480	°F
Mold Temperature	90.0 to 120	°F
Back Pressure	25.0 to 50.0	psi
Screw Speed	30 to 60	rpm

Notes

¹ Typical properties: these are not to be construed as specifications.