

LNP™ THERMOCOMP™ MX00709 compound

Polypropylene
SABIC Innovative Plastics

Message:

LNP THERMOCOMP MX00709 is a compound based on Polypropylene resin containing 20% Glass Fiber. Added features of this grade are: Heat Stabilized, UV Stabilized.

Also known as: LNP* THERMOCOMP* Compound MF-1004 HS UV HP

Product reorder name: MX00709

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good UV Resistance		
	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	7860	MPa	ASTM D638
Tensile Strength ² (Break)	76.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.7	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	6180	MPa	ASTM D790
Flexural Strength ⁵ (Break, 50.0 mm Span)	123	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	151	°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	

NOTE	
1.	50 mm/min
2.	Type I, 5.0 mm/min
3.	Type I, 5.0 mm/min
4.	1.3 mm/min
5.	1.3 mm/min

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