

LNP™ THERMOCOMP™ MX06403 compound

Polypropylene
SABIC Innovative Plastics

Message:

LNP THERMOCOMP MX06403 is a compound based on Polypropylene resin containing 20% Glass Fiber. Added features of this material include: Heat Stabilized, UV Stabilized.

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

Product reorder name: MX06403

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	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.50 to 0.60	%	ASTM D955
Water Absorption (24 hr, 50% RH)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	50.0	MPa	ASTM D638
Tensile Elongation ² (Break)	3.0 to 4.0	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	3100	MPa	ASTM D790
Flexural Strength ⁴ (Break, 50.0 mm Span)	66.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Unnotched Izod Impact (23°C)	290	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	140	°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.	Type I, 5.0 mm/min	
2.	Type I, 5.0 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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