

LNP™ COLORCOMP™ M1000S compound

Polypropylene

SABIC Innovative Plastics

Message:

LNP COLORCOMP* M1000S is an unfilled Polypropylene resin. Added features of this material include: Heat Stabilized.

Also known as: LNP* COLORCOMP* Compound M-1000 HS

Product reorder name: M1000S

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.13	g/cm ³	ASTM D792
--	1.12	g/cm ³	ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow : 24 hr	1.5 to 1.7	%	
Across Flow : 24 hr	1.5 to 1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2160	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2
Yield	28.0	MPa	
Break	26.0	MPa	
Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	40	%	
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	3.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ²			
0.45 MPa, Unannealed, 64.0 mm Span	130	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	94.0	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	193 to 204	°C	
Middle Temperature	199 to 210	°C	
Front Temperature	204 to 216	°C	

Processing (Melt) Temp	216 to 221	°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.	80*10*4	
2.	80*10*4 mm	

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Recommended distributors for this material

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