

LNP™ COLORCOMP™ M1000 compound

Polypropylene

SABIC Innovative Plastics Europe

Message:

LNP COLORCOMP M1000 is an unfilled Polypropylene resin.

Also known as: LNP* COLORCOMP* Compound M1000

Product reorder name: M1000

General Information			
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Molding Shrinkage - Flow	1.5 to 2.0	%	Internal Method
Water Absorption (23°C, 24 hr)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	34.0	MPa	
Break	17.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	42	%	
Break	42	%	
Flexural Modulus ¹	1500	MPa	ISO 178
Flexural Stress	44.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	77	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	96.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	59.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.1E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.4E-4	cm/cm/°C	
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.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	
4.	80*10*4 mm	

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