

LNP™ COLORCOMP™ COMPOUND M1000S

M-1000 HS
REGION AMERICAS

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20170816

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	28	MPa	ISO 527
Tensile Stress, break	26	MPa	ISO 527
Tensile Strain, yield	7	%	ISO 527
Tensile Strain, break	40	%	ISO 527
Tensile Modulus, 1 mm/min	2160	MPa	ISO 527
Flexural Stress	40	MPa	ISO 178
Flexural Modulus	1800	MPa	ISO 178
IMPACT			
Izod Impact, notched 80*10*4 +23°C	3	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	130	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	94	°C	ISO 75/Af
PHYSICAL			
Density	1.13	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	1.5 – 1.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1.5 – 1.7	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	1.51 – 1.67	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	1.51 – 1.67	%	ISO 294
Density	1.12	g/cm ³	ISO 1183
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Melt Temperature	215 – 220	°C	
Front - Zone 3 Temperature	205 – 215	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Middle - Zone 2 Temperature	200 – 210	°C	
Rear - Zone 1 Temperature	195 – 205	°C	
Mold Temperature	30 – 50	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

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