



LNP™ COLORCOMP™ Compound M1000S
Americas: COMMERCIAL

Also known as: LNP™ COLORCOMP™ Compound M-1000 HS
Product reorder name: M1000S

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
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





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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	215 - 220	°C
Front - Zone 3 Temperature	205 - 215	°C
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

