LNP™ COLORCOMP™ Compound M1000
Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ COLORCOMP™ Compound M1000
Product reorder name: M1000

LNP COLORCOMP M1000 is an unfilled Polypropylene resin.

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	1600	MPa	ISO 527
Tensile Stress, yield, 50 mm/min	34	MPa	ISO 527
Tensile Stress, break, 50 mm/min	17	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	41.8	%	ISO 527
Tensile Strain, break, 50 mm/min	42	%	ISO 527
Flexural Stress, yield, 2 mm/min	44	MPa	ISO 178
Flexural Modulus, 2 mm/min	1500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	77	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.1E-04	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.4E-04	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	96	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	59	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	1.5 - 2	%	SABIC Method
Density	0.91	g/cm³	ISO 1183
Water Absorption, 23°C/24hrs	0.02	%	ISO 62-1

LNP™ COLORCOMP™ Compound M1000

Europe-Africa-Middle East: COMMERCIAL

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