



LNP™ COLORCOMP™ Compound G1000

Americas: COMMERCIAL

Also known as: LNP™ COLORCOMP™ Compound G-1000

Product reorder name: G1000

LNP COLORCOMP G1000 is an unfilled Polysulfone resin. Added feature of this grade is: Transparent.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	710	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	50 - 100	%	ASTM D 638
Tensile Modulus, 50 mm/min	25200	kgf/cm ²	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	1080	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	27400	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	7	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	174	°C	ASTM D 648
CTE, -30°C to 30°C, flow	5.6E-05	1/°C	ASTM D 696
PHYSICAL			
Specific Gravity	1.24	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.3	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.7	%	ASTM D 955
ELECTRICAL			
Volume Resistivity	3.E+17	Ohm-cm	ASTM D 257
Dissipation Factor, 50/60 Hz	0.0007	-	ASTM D 150
Dissipation Factor, 1 kHz	0.001	-	ASTM D 150
Dissipation Factor, 1 MHz	0.006	-	ASTM D 150



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05	%
Melt Temperature	360 - 370	°C
Front - Zone 3 Temperature	350 - 360	°C
Middle - Zone 2 Temperature	340 - 350	°C
Rear - Zone 1 Temperature	325 - 340	°C
Mold Temperature	150	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm