



LNP™ COLORCOMP™ Compound R1000SU

Americas: COMMERCIAL

Also known as: LNP™ COLORCOMP™ Compound R-1000 HS UV

Product reorder name: R1000SU

LNP COLORCOMP™ R1000SU is an unfilled Nylon 66 resin. Added features include: Heat Stabilized, UV Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	75	MPa	ISO 527
Tensile Strain, yield	10	%	ISO 527
Tensile Modulus, 1 mm/min	3400	MPa	ISO 527
Flexural Stress	11	MPa	ISO 178
Flexural Modulus	3200	MPa	ISO 178
IMPACT			
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	75	°C	ISO 75/Af
PHYSICAL			
Density	1.22	g/cm ³	ASTM D 792
Density	1.23	g/cm ³	ISO 1183



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	265 - 275	°C
Front - Zone 3 Temperature	260 - 270	°C
Middle - Zone 2 Temperature	255 - 265	°C
Rear - Zone 1 Temperature	250 - 260	°C
Mold Temperature	60 - 100	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm