

Product Texts

LNP COLORCOMP R1000S compound is based on Nylon 6/6 resin. Added features of this grade include: Heat Stabilised.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3400	MPa	ISO 527
Yield stress	75	MPa	ISO 527
Yield strain	10	%	ISO 527
Flexural modulus	3200	MPa	ISO 178
Flexural strength	11	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	4	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	75	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1230	kg/m ³	ISO 1183
Density	1220	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.25	%	-
Melt temperature	265 - 275	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	250 - 260	°C	-
Zone 2	255 - 265	°C	-
Zone 3	260 - 270	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive