

LNP* Colorcomp* R1000S

Polyamide 66

SABIC Innovative Plastics



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Technical Data

Product Description

LNP COLORCOMP* R1000S is a compound based on Nylon 66 resin containing Unfilled Glow In the Dark Custom Color. Added features of this material include: Heat Stabilized.

Also known as: LNP* Colorcomp* Compound R-1000 HS

Product reorder name: R1000S

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• SABIC Innovative Plastics • LNP* Colorcomp*
Availability	• North America
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity		
--	1.22 g/cm ³	ASTM D792
--	1.23 g/cm ³	ISO 1183

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	3400 MPa	ISO 527-2/1
Tensile Stress (Yield)	75.0 MPa	ISO 527-2
Tensile Strain (Yield)	10 %	ISO 527-2
Flexural Modulus	3200 MPa	ISO 178
Flexural Strength	11.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	4.0 kJ/m ²	ISO 180/1A

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁴		ISO 75-2/Af
1.8 MPa, Unannealed, 64.0 mm Span	75.0 °C	

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	4.0 hr
Suggested Max Moisture	0.15 to 0.25 %
Rear Temperature	249 to 260 °C
Middle Temperature	254 to 266 °C
Front Temperature	260 to 271 °C
Processing (Melt) Temp	266 to 277 °C
Mold Temperature	60.0 to 98.9 °C
Back Pressure	0.172 to 0.344 MPa
Screw Speed	30 to 60 rpm

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 80*10*4

⁴ 80*10*4 mm

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Where to Buy

Supplier

SABIC Innovative Plastics

Pittsfield, MA USA

Telephone: 800-845-0600

Web: <http://www.sabic-ip.com/>

Distributor

Nexeo Solutions

Telephone: 800-531-7106

Web: <http://www.nexeosolutions.com/>

Availability: North America



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– Kevin Chase, Owner & President, Chase Plastics



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