

LNP* Thermocomp* RC00A

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* THERMOCOMP* RC00A is a compound based on PA6.6 resin containing Carbon Fiber. Added features include: Electrically Conductive

Also known as: LNP* Thermocomp* Compound RC-100-10

Product reorder name: RC00A

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Thermocomp*
Availability	• Europe
Filler / Reinforcement	• Carbon Fiber Reinforcement
Features	• Electrically Conductive
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.37 g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.050 to 0.15 %	Internal Method

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	33400 MPa	ISO 527-2/1
Tensile Stress (Break)	238 MPa	ISO 527-2/5
Tensile Strain (Break)	1.0 %	ISO 527-2/5
Flexural Modulus ³	24000 MPa	ISO 178
Flexural Strength ^{3, 4}	331 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁵ (23°C)	10 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁵ (23°C)	35 kJ/m ²	ISO 180/1U

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁶ 1.8 MPa, Unannealed, 64.0 mm Span	254 °C	ISO 75-2/Af
CLTE Flow: 23 to 60°C Transverse: 23 to 60°C	0.000016 cm/cm/°C 0.000063 cm/cm/°C	ISO 11359-2

Electrical	Nominal Value Unit	Test Method
Surface Resistivity	10 to 1.0E+2 ohm	ASTM D257

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	4.0 to 6.0 hr
Suggested Max Moisture	0.020 %
Rear Temperature	249 to 260 °C
Middle Temperature	254 to 266 °C
Front Temperature	260 to 271 °C
Processing (Melt) Temp	254 to 288 °C
Mold Temperature	37.8 to 65.6 °C
Back Pressure	0.172 to 0.344 MPa
Screw Speed	30 to 60 rpm

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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 2.0 mm/min
- ⁴ Yield
- ⁵ 80*10*4
- ⁶ 80*10*4 mm

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Where to Buy

Supplier

SABIC Innovative Plastics Europe

, Netherlands

Telephone: +36-1-238-5060

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

Distributor

Polymix

Telephone: +33-3-8920-1380

Web: <http://www.polymix.eu/>

Availability: France

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

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

Availability: Europe

Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

Telephone: +32-11-57-95-57

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

Availability: Europe



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– Birgit Elvardt Bader, Production Manager, Micotron

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– Kevin Chase, Owner & President, Chase Plastics



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