

LNP* Thermocomp* RX07034

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* Thermocomp* RX07034 is a compound based on PA 66 resin containing Glass Fiber. Added features include; Low Smoke, Easy Molding, Cross Linkable under Beta-or Gamma Radiation; Specially developed for Arc chambers.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
UL Yellow Card ²	• E45329-101025612
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Thermocomp*
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement
Features	• Good Moldability • Irradiation Crosslinkable • Low Smoke Emission
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.54 g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30 to 0.50 %	Internal Method
Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Break)	170 MPa	ISO 527-2/5
Tensile Strain (Break)	2.3 %	ISO 527-2/5
Flexural Modulus ⁴	9500 MPa	ISO 178
Flexural Strength ^{4, 5}	225 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	9.0 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁶ (23°C)	60 kJ/m ²	ISO 180/1U
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁷ 1.8 MPa, Unannealed, 64.0 mm Span	213 °C	ISO 75-2/Af
Flammability	Nominal Value Unit	Test Method
Flame Rating (1.60 mm, Testing by SABIC)	HB	UL 94

Injection	Nominal Value Unit
Suggested Max Moisture	0.20 %
Rear Temperature	260 to 280 °C
Middle Temperature	265 to 285 °C
Front Temperature	280 to 290 °C
Processing (Melt) Temp	270 to 290 °C
Mold Temperature	60.0 to 90.0 °C
Back Pressure	1.00 MPa
Screw Speed	80 to 120 rpm

Injection Notes

Do Not Dry

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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 A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.
- ³ Typical properties: these are not to be construed as specifications.
- ⁴ 2.0 mm/min
- ⁵ Break
- ⁶ 80*10*4
- ⁷ 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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Alternative Resins Search – find replacement plastics within minutes.

Automotive Plastics Search – easily locate automotive approved plastics.

Curve Data – view, overlay and export curve data.



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– Kevin Chase, Owner & President, Chase Plastics



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