

LNP* Thermocomp* RFL369

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* THERMOCOMP* RFL369 is a compound based on PA 66 resin containing Glass Fiber, Flame Retardant. Added features include: Flame Retardant.

Also known as: LNP* Thermocomp* Compound RFL-4036 FR
Product reorder name: RFL369

General

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

Physical	Nominal Value Unit	Test Method
Density	1.74 g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 to 0.40 %	Internal Method

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	11500 MPa	ISO 527-2/1
Tensile Stress (Yield)	128 MPa	ISO 527-2/5
Tensile Strain (Break)	1.7 %	ISO 527-2/5
Flexural Modulus ³	8500 MPa	ISO 178
Flexural Strength ^{3,4}	152 MPa	ISO 178
Flexural Strain at Break ⁵	2.5 %	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	7.0 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁶ (23°C)	20 kJ/m ²	ISO 180/1U

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁷		
0.45 MPa, Unannealed, 64.0 mm Span	253 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	225 °C	ISO 75-2/Af
CLTE		ISO 11359-2
Flow: 23 to 60°C	0.000042 cm/cm/°C	
Transverse: 23 to 60°C	0.000078 cm/cm/°C	

Flammability	Nominal Value Unit	Test Method
Flame Rating (3.00 mm, Testing by SABIC)	V-0	UL 94

Injection	Nominal Value Unit
Drying Temperature	121 °C
Drying Time	4.0 hr
Suggested Max Moisture	0.020 %
Rear Temperature	293 to 304 °C
Middle Temperature	310 to 321 °C
Front Temperature	321 to 332 °C
Processing (Melt) Temp	304 to 327 °C
Mold Temperature	82.2 to 110 °C
Back Pressure	0.172 to 0.344 MPa

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Injection

Nominal Value Unit

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 2.0 mm/min

⁴ Yield

⁵ 2 mm/min

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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– Kevin Chase, Owner & President, Chase Plastics



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