

LNP* Thermocomp* RF0069SF

Polyamide 66

SABIC Innovative Plastics



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Technical Data

Product Description

LNP* Thermocomp* RF0069SF is a compound based on Nylon 66 resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant.

Also known as: LNP* Thermocomp* Compound RF-1006 FR-1 HS

Product reorder name: RF0069SF

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
UL Yellow Card ²	• E45195-236013 • E121562-101282587
Search for UL Yellow Card	• SABIC Innovative Plastics • LNP* Thermocomp*
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement
Features	• Flame Retardant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.65 g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.30 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus ⁴	13800 MPa	ASTM D638
Tensile Strength (Break)	174 MPa	ASTM D638
Tensile Elongation (Break)	1.9 %	ASTM D638
Flexural Modulus	11400 MPa	ASTM D790
Flexural Strength	241 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	64 J/m	ASTM D256
Unnotched Izod Impact (23°C)	650 J/m	ASTM D4812

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed, 3.20 mm	116 °C	ASTM D648

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	4.0 hr
Suggested Max Moisture	0.15 to 0.25 %
Rear Temperature	266 to 277 °C
Middle Temperature	282 to 293 °C
Front Temperature	293 to 304 °C
Processing (Melt) Temp	282 to 304 °C
Mold Temperature	93.3 to 110 °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 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 50 mm/min

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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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– Birgit Elvardt Bader, Production Manager, Micotron

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Automotive Plastics Search – easily locate automotive approved plastics.

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– Kevin Chase, Owner & President, Chase Plastics



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