

LNP* Thermocomp* RFZ22S

Polyamide 66

SABIC Innovative Plastics



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Technical Data

Product Description

LNP* Thermocomp* RFZ22S is a compound based on Nylon 66 resin containing Glass Fiber, Milled Glass. Added features of this material include: Heat Stabilized.

Also known as: LNP* Thermocomp* Compound RF-1004 HS MG
Product reorder name: RFZ22S

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• SABIC Innovative Plastics • LNP* Thermocomp*
Availability	• North America
Filler / Reinforcement	• Glass Milled\Glass Fiber
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.29 g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.50 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus		
-- ³	6460 MPa	ASTM D638
--	6430 MPa	ISO 527-2/1
Tensile Strength		
Break	115 MPa	ASTM D638
Break	117 MPa	ISO 527-2
Tensile Elongation		ASTM D638
Yield	2.8 %	
Break	3.6 %	
Flexural Modulus	5300 MPa	ASTM D790
Flexural Strength	179 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	32 J/m	ASTM D256
Unnotched Izod Impact (23°C)	450 J/m	ASTM D4812

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		
0.45 MPa, Unannealed, 64.0 mm Span ⁴	258 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	241 °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 Typical properties: these are not to be construed as specifications.

³ 50 mm/min

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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