

LNP* Thermocomp* RX06420

Polyamide 66

SABIC Innovative Plastics



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Technical Data

Product Description

LNP* Thermocomp* RX06420 is a compound based on Nylon 66 resin containing Glass Fiber. Added features of this material include: Easy Molding, Low Extractible, Mold Release.

Also known as: LNP* Thermocomp* Compound RF-1004 EM LE MR
Product reorder name: RX06420

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 Fiber Reinforcement
Additive	• Mold Release
Features	• Good Moldability • Low Extractables
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.29 g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	1.0 to 3.0 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Flexural Modulus		
50.0 mm Span ³	5990 MPa	ASTM D790
-- ⁴	5580 MPa	ISO 178
Flexural Strength ³ (Break, 50.0 mm Span)	161 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	44 J/m	ASTM D256
Unnotched Izod Impact (23°C)	400 J/m	ASTM D4812

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
1.8 MPa, Unannealed, 3.20 mm	219 °C	

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

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 1.3 mm/min

⁴ 2.0 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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– Kevin Chase, Owner & President, Chase Plastics



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