

LNP* Verton* RX89047

Polyamide 66

SABIC Innovative Plastics



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Technical Data

Product Description

LNP* Verton* RX89047 is a compound based on Nylon 66 resin containing Long Glass Fiber. Added characteristic of this grade is: Heat Stabilized.

Also known as: LNP* Verton* Compound PDX-R-89047

Product reorder name: RX89047

General

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

Physical	Nominal Value Unit	Test Method
Specific Gravity		
--	1.42 g/cm ³	ASTM D792
--	1.41 g/cm ³	ISO 1183

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus ³	11400 MPa	ASTM D638
Tensile Strength		
Break	202 MPa	ASTM D638
Break	198 MPa	ISO 527-2
Tensile Elongation		
Break	2.3 %	ASTM D638
Break	200 %	ISO 527-2
Flexural Modulus		
--	9650 MPa	ASTM D790
--	9500 MPa	ISO 178
Flexural Strength	317 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact		
23°C	360 J/m	ASTM D256
23°C ⁴	24 kJ/m ²	ISO 180/1A
Unnotched Izod Impact (23°C)	1000 J/m	ASTM D4812

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
1.8 MPa, Unannealed, 3.20 mm	253 °C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	251 °C	ISO 75-2/Af

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

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Injection	Nominal Value Unit
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 50 mm/min

⁴ 80*10*4

⁵ 80*10*4 mm

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SABIC Innovative Plastics

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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