

LNP* Verton* RX03013

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* VERTON* RX03013 is a compound based on PA 66 resin containing Long Glass Fiber, Proprietary Lubricant. Added features include: Internally Lubricated.

Also known as: LNP* Verton* Compound PDXR03013-NAT

Product reorder name: RX03013

General

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

Physical	Nominal Value Unit	Test Method
Density	1.44 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow: 24 hr	0.90 %	
Flow: 24 hr	0.40 %	
Water Absorption (23°C, 24 hr)	1.1 %	ISO 62

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	12500 MPa	ISO 527-2/1
Tensile Stress (Break)	205 MPa	ISO 527-2/5
Tensile Strain (Break)	2.2 %	ISO 527-2/5
Flexural Modulus ³	10800 MPa	ISO 178
Flexural Strength ^{3, 4}	307 MPa	ISO 178
Flexural Strain at Break ⁵	3.1 %	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	28 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁶ (23°C)	70 kJ/m ²	ISO 180/1U
Multi-Axial Instrumented Impact Energy	5.80 J	ISO 6603-2

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁷		
0.45 MPa, Unannealed, 64.0 mm Span	265 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	261 °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	282 to 293 °C
Middle Temperature	288 to 299 °C
Front Temperature	288 to 299 °C
Processing (Melt) Temp	288 to 304 °C
Mold Temperature	93.3 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 Break

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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