

LNP* Verton* RVL29

Polyamide 66

SABIC Innovative Plastics



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Technical Data

Product Description

LNP VERTON* RVL29 is a compound based on Nylon 66 resin containing Long Glass Fiber, PTFE. Added features of this material include: Easy Molding.

Also known as: LNP* Verton* Compound RFL-8029

Product reorder name: RVL29

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
UL Yellow Card ²	• E121562-101344710 • E45195-235991
Search for UL Yellow Card	• SABIC Innovative Plastics • LNP* Verton*
Availability	• North America
Filler / Reinforcement	• Long Glass Fiber
Additive	• PTFE Lubricant
Features	• Good Moldability • Lubricated
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.65 g/cm ³	ISO 1183

Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Break)	231 MPa	ISO 527-2
Tensile Strain (Break)	2.3 %	ISO 527-2
Flexural Modulus	14100 MPa	ISO 178
Flexural Strength	362 MPa	ISO 178
Coefficient of Friction vs. Itself - Dynamic	0.39	ASTM D3702 Modified
vs. Itself - Static	0.40	
Wear Factor - Washer	21.0 $\frac{10^{-10}}{\text{in}^5\text{-min/ft-lb-hr}}$	ASTM D3702 Modified

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁴ (23°C)	29 kJ/m ²	ISO 180/1A

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁵ 1.8 MPa, Unannealed, 64.0 mm Span	258 °C	ISO 75-2/Af

Flammability	Nominal Value Unit	Test Method
Flame Rating (1.50 mm, Testing by SABIC)	HB	UL 94

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
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 80*10*4
- ⁵ 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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– Birgit Elvardt Bader, Production Manager, Micotron

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– Kevin Chase, Owner & President, Chase Plastics



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