

LNP* Verton* RV00AEXP

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* VERTON* RV00AEXP is a compound based on PA 66 resin containing Long Glass Fiber.

Also known as: LNP* Verton* Compound RF-700-10

Product reorder name: RV00AEXP

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
UL Yellow Card ²	• E45329-101282650
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Verton*
Availability	• Europe
Filler / Reinforcement	• Long Glass Fiber
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.57 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow: 24 hr	0.79 %	
Flow: 24 hr	0.24 %	
Water Absorption (23°C, 24 hr)	0.80 %	ISO 62

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	17600 MPa	ISO 527-2/1
Tensile Stress (Break)	268 MPa	ISO 527-2/5
Tensile Strain (Break)	2.0 %	ISO 527-2/5
Flexural Modulus ⁴	15500 MPa	ISO 178
Flexural Strength ^{4, 5}	405 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	35 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁶ (23°C)	100 kJ/m ²	ISO 180/1U

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	262 °C	ISO 75-2/Af
CLTE		ISO 11359-2
Flow: 23 to 60°C	0.000024 cm/cm/°C	
Transverse: 23 to 60°C	0.000054 cm/cm/°C	
RTI Elec	105 °C	UL 746
RTI Imp	110 °C	UL 746
RTI Str	110 °C	UL 746

Electrical	Nominal Value Unit	Test Method
High Amp Arc Ignition (HAI)	PLC 0	UL 746
Hot-wire Ignition (HWI)	PLC 0	UL 746

Flammability	Nominal Value Unit	Test Method
Flame Rating (0.750 mm)	HB	UL 94

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	4.0 hr

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Injection	Nominal Value Unit
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

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 2.0 mm/min

⁵ Break

⁶ 80*10*4

⁷ 80*10*4 mm

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SABIC Innovative Plastics Europe

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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– Birgit Elvardt Bader, Production Manager, Micotron

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Curve Data – view, overlay and export curve data.



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– Kevin Chase, Owner & President, Chase Plastics



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