

LNP* Verton* RV00AESC

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* VERTON* RV00AESC is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Easy Molding, Heat Stabilized.

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

Product reorder name: RV00AESC

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
UL Yellow Card ²	• E45329-101282647
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Verton*
Availability	• Europe
Filler / Reinforcement	• Long Glass Fiber
Additive	• Heat Stabilizer
Features	• Good Moldability • Heat Stabilized
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.59 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow: 24 hr	0.43 %	
Flow: 24 hr	0.15 %	
Water Absorption (23°C, 24 hr)	0.90 %	ISO 62

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	17300 MPa	ISO 527-2/1
Tensile Stress (Break)	254 MPa	ISO 527-2/5
Tensile Strain (Break)	2.0 %	ISO 527-2/5
Flexural Modulus ⁴	15600 MPa	ISO 178
Flexural Strength ^{4, 5}	370 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁶		ISO 180/1A
-40°C	38 kJ/m ²	
23°C	38 kJ/m ²	
Unnotched Izod Impact Strength ⁶ (23°C)	87 kJ/m ²	ISO 180/1U
Multi-Axial Instrumented Impact Energy	15.0 J	ISO 6603-2

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁷		
0.45 MPa, Unannealed, 64.0 mm Span	257 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	253 °C	ISO 75-2/Af
CLTE		ISO 11359-2
Flow: 23 to 60°C	0.000021 cm/cm/°C	
Transverse: 23 to 60°C	0.000055 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

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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
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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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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Automotive Plastics Search – easily locate automotive approved plastics.

Curve Data – view, overlay and export curve data.



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– Kevin Chase, Owner & President, Chase Plastics



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