

LNP* Verton* RV007ESS

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP VERTON* RF-7007 EM HS is a compound based on Nylon 66 resin containing Long Glass. Added features of this material include: Easy Molding.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
UL Yellow Card ²	• E45329-101282651 • E45329-101344688
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Verton*
Availability	• Europe
Filler / Reinforcement	• Long Glass Fiber
Features	• Good Moldability
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.42 g/cm ³	ASTM D792 ISO 1183
Water Absorption (24 hr, 50% RH)	0.97 %	ASTM D570

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	12000 MPa	ISO 527-2/1
Tensile Strength		
Break	205 MPa	ASTM D638
Break	214 MPa	ISO 527-2
Tensile Strain (Break)	2.1 %	ISO 527-2
Flexural Modulus		
--	9880 MPa	ASTM D790
--	10200 MPa	ISO 178
Flexural Strength	309 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Notched Izod Impact		
23°C	280 J/m	ASTM D256
-40°C ⁴	25 kJ/m ²	ISO 180/1A
23°C ⁴	29 kJ/m ²	ISO 180/1A

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
1.8 MPa, Unannealed, 3.20 mm	245 °C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	252 °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

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 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 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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Alternative Resins Search – find replacement plastics within minutes.

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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