

LNP* Verton* RF-7007 EM HS

Polyamide 66

SABIC Innovative Plastics Asia Pacific



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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
Search for UL Yellow Card	• SABIC Innovative Plastics Asia Pacific • LNP* Verton*
Availability	• Asia Pacific
Filler / Reinforcement	• Long Glass Fiber
Features	• Good Moldability
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 ³	25 kJ/m ²	ISO 180/1A
23°C ³	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 ⁴	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
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 Typical properties: these are not to be construed as specifications.

³ 80*10*4

⁴ 80*10*4 mm

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Where to Buy

Supplier

SABIC Innovative Plastics Asia Pacific

Shanghai, China

Telephone: 86-21-3222-4500

Web: <http://www.sabic-ip.com/>

Distributor

Please contact the supplier to find a distributor for LNP* Verton* RF-7007 EM HS



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