

# LNP\* Verton\* RX06097

Polyamide 66

SABIC Innovative Plastics Europe



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## Technical Data

### Product Description

LNP\* VERTON\* RX06097 is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Easy Molding, UV-Stabilized.

Also known as: LNP\* Verton\* Compound RF70010EMUV

Product reorder name: RX06097

### General

|                           |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| Material Status           | • Commercial: Active                                                                 |
| Literature <sup>1</sup>   | • <a href="#">Technical Datasheet</a>                                                |
| Search for UL Yellow Card | • <a href="#">SABIC Innovative Plastics Europe</a><br>• <a href="#">LNP* Verton*</a> |
| Availability              | • Europe                                                                             |
| Filler / Reinforcement    | • Long Glass Fiber                                                                   |
| Additive                  | • UV Stabilizer                                                                      |
| Features                  | • Good Moldability                                                                   |
| RoHS Compliance           | • RoHS Compliant                                                                     |
| Processing Method         | • Injection Molding                                                                  |

| Physical                       | Nominal Value Unit     | Test Method |
|--------------------------------|------------------------|-------------|
| Density                        | 1.59 g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage              |                        | ISO 294-4   |
| Across Flow: 24 hr             | 0.76 %                 |             |
| Flow: 24 hr                    | 0.32 %                 |             |
| Water Absorption (23°C, 24 hr) | 1.0 %                  | ISO 62      |

| Mechanical                            | Nominal Value Unit | Test Method |
|---------------------------------------|--------------------|-------------|
| Tensile Modulus                       | 17600 MPa          | ISO 527-2/1 |
| Tensile Stress (Break)                | 275 MPa            | ISO 527-2/5 |
| Tensile Strain (Break)                | 1.9 %              | ISO 527-2/5 |
| Flexural Modulus <sup>3</sup>         | 15000 MPa          | ISO 178     |
| Flexural Strength <sup>3, 4</sup>     | 366 MPa            | ISO 178     |
| Flexural Strain at Break <sup>5</sup> | 2.8 %              | ISO 178     |

| Impact                                             | Nominal Value Unit   | Test Method |
|----------------------------------------------------|----------------------|-------------|
| Notched Izod Impact Strength <sup>6</sup> (23°C)   | 45 kJ/m <sup>2</sup> | ISO 180/1A  |
| Unnotched Izod Impact Strength <sup>6</sup> (23°C) | 90 kJ/m <sup>2</sup> | ISO 180/1U  |

| Thermal                                  | Nominal Value Unit | Test Method |
|------------------------------------------|--------------------|-------------|
| Heat Deflection Temperature <sup>7</sup> |                    |             |
| 0.45 MPa, Unannealed, 64.0 mm Span       | 260 °C             | ISO 75-2/Bf |
| 1.8 MPa, Unannealed, 64.0 mm Span        | 257 °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       |

Notes

- <sup>1</sup> 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.
- <sup>2</sup> Typical properties: these are not to be construed as specifications.
- <sup>3</sup> 2.0 mm/min
- <sup>4</sup> Break
- <sup>5</sup> 2 mm/min
- <sup>6</sup> 80\*10\*4
- <sup>7</sup> 80\*10\*4 mm

## LNP\* Verton\* RX06097

Polyamide 66

**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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– Kevin Chase, Owner & President, Chase Plastics



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