

## SABIC Innovative Plastics LNP VERTON RV00AEU PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

LNP\* VERTON\* RV00AEU is a compound based on PA 66 resin containing Long Glass Fiber. Added features include : Easy Molding, UV Stabilized.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-VERTON-RV00AEU-PA-66-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RV00AEU-PA-66-Europe-Africa-Middle-East.php)

| Physical Properties               | Metric                | English                   | Comments |
|-----------------------------------|-----------------------|---------------------------|----------|
| Density                           | 1.60 g/cc             | 0.0578 lb/in <sup>3</sup> | ISO 1183 |
| Water Absorption                  | 0.90 %                | 0.90 %                    | ISO 62-1 |
|                                   | @Time 86400 sec       | @Time 24.0 hour           |          |
| Linear Mold Shrinkage, Flow       | 0.0015 - 0.0035 cm/cm | 0.0015 - 0.0035 in/in     | ISO 294  |
|                                   | @Time 86400 sec       | @Time 24.0 hour           |          |
| Linear Mold Shrinkage, Transverse | 0.0080 cm/cm          | 0.0080 in/in              | ISO 294  |
|                                   | @Time 86400 sec       | @Time 24.0 hour           |          |

| Mechanical Properties        | Metric                 | English                    | Comments            |
|------------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break    | 276 MPa                | 40000 psi                  | 5 mm/min; ISO 527   |
| Tensile Strength, Yield      | 276 MPa                | 40000 psi                  | 5 mm/min; ISO 527   |
| Elongation at Break          | 2.0 %                  | 2.0 %                      | 5 mm/min; ISO 527   |
|                              | 3.0 %                  | 3.0 %                      |                     |
| Elongation at Yield          | 2.0 %                  | 2.0 %                      | 5 mm/min; ISO 527   |
| Tensile Modulus              | 17.8 GPa               | 2580 ksi                   | 1 mm/min; ISO 527   |
| Flexural Yield Strength      | 366 MPa                | 53100 psi                  | 2 mm/min; ISO 178   |
| Flexural Modulus             | 15.0 GPa               | 2180 ksi                   | 2 mm/min; ISO 178   |
| Izod Impact, Notched (ISO)   | 45.0 kJ/m <sup>2</sup> | 21.4 ft-lb/in <sup>2</sup> | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 90.0 kJ/m <sup>2</sup> | 42.8 ft-lb/in <sup>2</sup> | 80*10*4; ISO 180/1U |

| Thermal Properties                 | Metric  | English | Comments |
|------------------------------------|---------|---------|----------|
| Deflection Temperature at 0.46 MPa | 259 Â°C | 498 Â°F |          |

| (56 psi)<br>Thermal Properties                 | Metric  | English | Flatw 80*10*4 sp=64mm; ISO 75/Bf<br>Comments |
|--|---------|---------|--|
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 256 Â°C | 493 Â°F | Flatw 80*10*4 sp=64mm; ISO 75/Af             |

## Contact Songhan Plastic Technology Co.,Ltd.

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