

## SABIC Innovative Plastics LNP VERTON RV00AE PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

LNP\* VERTON\* RV00AE is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Easy Molding.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-VERTON-RV00AE-PA-66-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RV00AE-PA-66-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in <sup>3</sup>	ISO 1183
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	0.0022 cm/cm	0.0022 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	265 MPa	38400 psi	5 mm/min; ISO 527
Elongation at Break	1.9 %	1.9 %	5 mm/min; ISO 527
Tensile Modulus	18.38 GPa	2666 ksi	1 mm/min; ISO 527
Flexural Strength	370 MPa	53700 psi	2 mm/min; ISO 178
Flexural Modulus	15.55 GPa	2255 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
	38.0 kJ/m <sup>2</sup> @Temperature -40.0 °C	18.1 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	
Izod Impact, Unnotched (ISO)	89.0 kJ/m <sup>2</sup>	42.4 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Impact Test	152 J	112 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.6 Åµm/m-Å°C	10.3 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
	67.3 Åµm/m-Å°C	37.4 Åµin/in-Å°F	

CTE, linear, Transverse to Flow Thermal Properties	@Temperature 23.0 - 30.0 Â°C Metric	@Temperature 73.4 - 84.0 Â°F English	ISO 11359-2 Comments
Deflection Temperature at 0.46 MPa (66 psi)	258 Â°C	496 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	253 Â°C	487 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af

## Contact Songhan Plastic Technology Co.,Ltd.

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