

## SABIC Innovative Plastics LNP Verton RV00CEU PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

LNP\* VERTON\* RV00CEU is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Easy Molding, UV Stabilized. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Verton-RV00CEU-PA-66-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Verton-RV00CEU-PA-66-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.90 %	0.90 %	ISO 62-1
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Moisture Absorption at Equilibrium	1.1 %	1.1 %	23°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0026 cm/cm	0.0026 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0061 cm/cm	0.0061 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	270 MPa	39200 psi	5 mm/min; ISO 527
Elongation at Break	1.7 %	1.7 %	5 mm/min; ISO 527
	2.6 %	2.6 %	
Tensile Modulus	21.6 GPa	3130 ksi	1 mm/min; ISO 527
Flexural Strength	430 MPa	62400 psi	2 mm/min; ISO 178
Flexural Modulus	19.0 GPa	2760 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	43.0 kJ/m <sup>2</sup>	20.5 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Notched (ISO)	53.0 kJ/m <sup>2</sup>	25.2 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	100 kJ/m <sup>2</sup>	47.6 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	255 °C	491 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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