

SABIC Innovative Plastics LNP VERTON RV00CEXP PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* VERTON* RV00CE 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-RV00CEXP-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in ³	ISO 1183
Water Absorption	0.90 % @Time 86400 sec	0.90 % @Time 24.0 hour	ISO 62-1
Moisture Absorption	1.10 %	1.10 %	23°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0026 cm/cm	0.0026 in/in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0061 cm/cm	0.0061 in/in	SABIC Method

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 %	Flexural Strain, break, 2 mm/min; ISO 178
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)	53.0 kJ/m ²	25.2 ft-lb/in ²	80*10*4; ISO 180/1A
	43.0 kJ/m ² @Temperature -40.0 °C	20.5 ft-lb/in ² @Temperature -40.0 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	100 kJ/m ²	47.6 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	17.0 µm/m-°C @Temperature 23.0 - 60.0 °C	9.44 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2

Thermal Properties	53.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ Metric	29.4 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ English	Comments
CTE, linear, Transverse to Flow	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	ISO 11359-2
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
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	UL 94

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