

SABIC Innovative Plastics LNP VERTON RV00AESC PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* VERTON* RV00AESC is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Easy Molding, Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RV00AESC-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ISO 1183
Water Absorption	0.90 % @Time 86400 sec	0.90 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0015 cm/cm @Time 86400 sec	0.0015 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0043 cm/cm @Time 86400 sec	0.0043 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	254 MPa	36800 psi	5 mm/min; ISO 527
Elongation at Break	2.0 %	2.0 %	5 mm/min; ISO 527
Tensile Modulus	17.3 GPa	2510 ksi	1 mm/min; ISO 527
Flexural Strength	370 MPa	53700 psi	2 mm/min; ISO 178
Flexural Modulus	15.6 GPa	2260 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	38.0 kJ/m ²	18.1 ft-lb/in ²	80*10*4; ISO 180/1A
	38.0 kJ/m ² @Temperature -40.0 Â°C	18.1 ft-lb/in ² @Temperature -40.0 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	87.0 kJ/m ²	41.4 ft-lb/in ²	80*10*4; ISO 180/1U
Impact Test	15.0 J	11.1 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
	21.0 Âµm/m-Â°C	11.7 Âµin/in-Â°F	

CTE, linear, Parallel to Flow Thermal Properties	Metric @ Temperature 23.0 - 60.0 Â°C	English @ Temperature 73.4 - 140 Â°F	ISO 11359-2 Comments
CTE, linear, Transverse to Flow	55.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	30.6 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	257 Â°C	495 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
UL RTI, Electrical	105 Â°C	221 Â°F	UL 746B
UL RTI, Mechanical with Impact	110 Â°C	230 Â°F	UL 746B
UL RTI, Mechanical without Impact	110 Â°C	230 Â°F	UL 746B
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	UL 94

Electrical Properties	Metric	English	Comments
Hot Wire Ignition, HWI	>= 120 sec	>= 120 sec	UL 746A
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	UL 746A

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