

SABIC Innovative Plastics LNP VERTON RV007SX9 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* VERTON* RV007SX9 is a compound based on PA 66 resin containing Long Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RV007SX9-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Water Absorption	1.3 % @Time 86400 sec	1.3 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0043 cm/cm @Time 86400 sec	0.0043 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.012 cm/cm @Time 86400 sec	0.012 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	195 MPa	28300 psi	5 mm/min; ISO 527
Elongation at Break	1.9 %	1.9 %	5 mm/min; ISO 527
Tensile Modulus	11.9 GPa	1730 ksi	1 mm/min; ISO 527
Flexural Strength	283 MPa	41000 psi	2 mm/min; ISO 178
Flexural Modulus	10.2 GPa	1480 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	24.0 kJ/m ²	11.4 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	52.0 kJ/m ²	24.7 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	263 Â°C	505 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	259 Â°C	498 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
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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