

SABIC Innovative Plastics LNP VERTON RX970079 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* VERTON* RX970079 is a compound based on PA 66 resin containing Long Glass Fiber and PTFE. Added features include; Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RX970079-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 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	0.0023 cm/cm @Time 86400 sec	0.0023 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0083 cm/cm @Time 86400 sec	0.0083 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	188 MPa	27300 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
Tensile Modulus	10.2 GPa	1480 ksi	1 mm/min; ISO 527
Izod Impact, Notched (ISO)	17.0 kJ/m ²	8.09 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	70.0 kJ/m ²	33.3 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
CTE, linear, Parallel to Flow	26.0 μm/m-°C @Temperature 23.0 - 60.0 °C	14.4 μin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	57.0 μm/m-°C @Temperature 23.0 - 60.0 °C	31.7 μin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 0.46 MPa			

(66 psi) Thermal Properties	264 °C Metric	507 °F English	Flatw 80*10*4 sp=64mm; ISO 75/Bf Comments
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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