

SABIC Innovative Plastics LNP VERTON RX00078 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* VERTON* RX00078 is a compound based on PA 66 resin containing Long Glass Fiber, Proprietary Lubricant. Added features include:
Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RX00078-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0022 cm/cm @Time 86400 sec	0.0022 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0087 cm/cm @Time 86400 sec	0.0087 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	197 MPa	28600 psi	5 mm/min; ISO 527
Elongation at Break	2.4 %	2.4 %	5 mm/min; ISO 527
Tensile Modulus	11.0 GPa	1600 ksi	1 mm/min; ISO 527
Flexural Strength	248 MPa	36000 psi	2 mm/min; ISO 178
Flexural Modulus	8.90 GPa	1290 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	21.0 kJ/m ²	9.99 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

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.0 μm/m-°C @Temperature 23.0 - 60.0 °C	13.9 μin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	58.0 μm/m-°C @Temperature 23.0 - 60.0 °C	32.2 μin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	265 °C	509 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Deflection Temperature at 1.8 MPa
Thermal Properties
(104 psi)

760 °C
Metric

500 °F
English

Comments
Clamp: 20:10+4 sp=64mm; ISO 75/A1

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