

SABIC Innovative Plastics LNP VERTON RX03013 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* VERTON* RX03013 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-RX03013-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ISO 1183
Water Absorption	1.1 %	1.1 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	205 MPa	29700 psi	5 mm/min; ISO 527
Elongation at Break	2.2 %	2.2 %	5 mm/min; ISO 527
	3.1 %	3.1 %	Flexural Strain, break, 2 mm/min; ISO 178
Tensile Modulus	12.5 GPa	1810 ksi	1 mm/min; ISO 527
Flexural Strength	307 MPa	44500 psi	2 mm/min; ISO 178
Flexural Modulus	10.8 GPa	1570 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	28.0 kJ/m ²	13.3 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	5.00 J	3.69 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	265 Â°C	509 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa	261 Â°C	502 Â°F	

(264 psi)			
Thermal Properties	Metric	English	Flatw 80*10*4 sp=64mm; ISO 75/Af Comments

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