

SABIC Innovative Plastics LNP VERTON RVN17SXS PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* VERTON* RVN17SXS is a compound based on PA 66 resin containing Long Glass Fiber, MoS2. Added features include; Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RVN17SXS-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ISO 1183
Water Absorption	1.0 %	1.0 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0044 cm/cm	0.0044 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	190 MPa	27600 psi	5 mm/min; ISO 527
Elongation at Break	1.8 %	1.8 %	5 mm/min; ISO 527
Tensile Modulus	12.6 GPa	1830 ksi	1 mm/min; ISO 527
Flexural Strength	263 MPa	38100 psi	2 mm/min; ISO 178
Flexural Modulus	10.2 GPa	1480 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	23.0 kJ/m ²	10.9 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	60.0 kJ/m ²	28.6 ft-lb/in ²	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.30	0.30	ASTM D3702 Modified
Coefficient of Friction, Static	0.25	0.25	ASTM D3702 Modified
K (wear) Factor	80.6 x 10 ⁻⁸ mm ³ /N-M	40.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
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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