

SABIC Innovative Plastics LNP VERTON RVL29 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP VERTON* RVL29 is a compound based on Nylon 66 resin containing 45% Long Glass Fiber, 10% PTFE. Added features of this material include: Wear Resistant, Structural.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RVL29-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	231 MPa	33500 psi	ISO 527
Elongation at Break	2.3 %	2.3 %	ISO 527
Flexural Strength	362 MPa	52500 psi	ISO 178
Flexural Modulus	14.1 GPa	2050 ksi	ISO 178
Izod Impact, Notched (ISO)	29.0 kJ/m ²	13.8 ft-lb/in ²	80*10*4; ISO 180/1A
Coefficient of Friction, Dynamic	0.39	0.39	ASTM D3702 Modified
Coefficient of Friction, Static	0.40	0.40	ASTM D3702 Modified
K (wear) Factor	42.3 x 10 ⁻⁸ mm ³ /N-M	21.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	258 °C	496 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL 94 by SABIC-IP

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