

SABIC Innovative Plastics LNP VERTON RX89047 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* VERTON* RX89047 is a compound based on Nylon 66 resin containing Proprietary Fillers. Added feature of this grade is: Structural.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RX89047-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
	1.42 g/cc	0.0513 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	198 MPa	28700 psi	ISO 527
	202 MPa	29300 psi	ASTM D638
Elongation at Break	2.3 %	2.3 %	ASTM D638
	198 %	198 %	ISO 527
Tensile Modulus	11.37 GPa	1649 ksi	50 mm/min; ASTM D638
Flexural Strength	317 MPa	46000 psi	ASTM D790
Flexural Modulus	9.50 GPa	1380 ksi	ISO 178
	9.65 GPa	1400 ksi	ASTM D790
Izod Impact, Notched	3.57 J/cm	6.69 ft-lb/in	ASTM D256
Izod Impact, Unnotched	10.14 J/cm	19.00 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	24.0 kJ/m ²	11.4 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	251 Â°C	484 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	253 Â°C	487 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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