

SABIC Innovative Plastics LNP VERTON RV007ES PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP VERTON* RV007ES is a compound based on Nylon 66 resin containing 35% Long Glass Fiber. Added features of this material include:
Easy Molding, Heat Stabilized, Structural.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-RV007ES-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ASTM D792
	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Moisture Absorption	0.970 %	0.970 %	50% RH, 24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	204 MPa	29600 psi	ASTM D638
	214 MPa	31000 psi	ISO 527
Elongation at Break	2.1 %	2.1 %	ISO 527
Tensile Modulus	11.97 GPa	1736 ksi	1 mm/min; ISO 527
Flexural Strength	309 MPa	44800 psi	ISO 178
Flexural Modulus	9.88 GPa	1430 ksi	ASTM D790
	10.24 GPa	1485 ksi	ISO 178
Izod Impact, Notched	2.77 J/cm	5.19 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	29.0 kJ/m ²	13.8 ft-lb/in ²	80*10*4; ISO 180/1A
	25.0 kJ/m ² @Temperature -40.0 °C	11.9 ft-lb/in ² @Temperature -40.0 °F	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	245 °C @Thickness 3.20 mm	473 °F @Thickness 0.126 in	unannealed; ASTM D648

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