

SABIC Innovative Plastics LNP Verton PV00A PA 6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP* Verton* PV00A is a compound based on Nylon 6 resin containing Long Glass Fiber. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Verton-PV00A-PA-6-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	on tensile bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	233 MPa	33800 psi	5 mm/min; ISO 527
Elongation at Break	2.3 %	2.3 %	5 mm/min; ISO 527
Flexural Strength	315 MPa	45700 psi	2 mm/min; ISO 178
Flexural Modulus	13.5 GPa	1960 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	26.0 kJ/m ² @Temperature 23.0 Â°C	12.4 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	90.0 kJ/m ² @Temperature 23.0 Â°C	42.8 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	44.4 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	213 Â°C	415 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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