

## SABIC Innovative Plastics LNP Verton UV00A PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

**Material Notes:**

LNP VERTON\* UV00A is a compound based on Polyphthalamide resin containing Long Glass. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Verton-UV00A-PPA.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Verton-UV00A-PPA.php)

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	245 MPa	35500 psi	ISO 527
Elongation at Break	1.5 %	1.5 %	ISO 527
Tensile Modulus	20.36 GPa	2953 ksi	1 mm/min; ISO 527
Flexural Strength	359 MPa	52100 psi	ISO 178
Flexural Modulus	17.7 GPa	2570 ksi	ISO 178
Izod Impact, Notched (ISO)	38.0 kJ/m <sup>2</sup> @Temperature 23.0 Â°C	18.1 ft-lb/in <sup>2</sup> @Temperature 73.4 Â°F	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	17.8 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	9.89 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	22.9 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	12.7 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	276 Â°C	529 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af

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