

## SABIC Innovative Plastics LNP VERTON MV00AS PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

LNP VERTON\* MV00AS is a compound based on Polypropylene resin containing Long Glass. Added features of this material include:  
Chemically Coupled, heat stabilized

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-VERTON-MV00AS-PP-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-MV00AS-PP-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	5 mm/min; ISO 527
Elongation at Break	1.5 %	1.5 %	5 mm/min; ISO 527
Tensile Modulus	14.0 GPa	2030 ksi	1 mm/min; ISO 527
Flexural Strength	209 MPa	30300 psi	2 mm/min; ISO 178
Flexural Modulus	11.7 GPa	1700 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	27.0 kJ/m <sup>2</sup>	12.8 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	55.0 kJ/m <sup>2</sup>	26.2 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.34	0.34	ASTM D3702 Modified
Coefficient of Friction, Static	0.52	0.52	ASTM D3702 Modified
K (wear) Factor	147 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	73.0 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	34.0 Åµm/m-Å°C	18.9 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
CTE, linear, Transverse to Flow	46.0 Åµm/m-Å°C	25.6 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	164 Å°C	327 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Deflection Temperature at 1.8 MPa Thermal Properties (104 psi)	159 Å°C Metric	318 Å°F English	Flatw 80*10*4 sp=64mm; ISO 75/Af Comments
Flammability, UL94	HB  @Thickness 1.50 mm	HB  @Thickness 0.0591 in	UL 94

## Contact Songhan Plastic Technology Co.,Ltd.

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