

## SABIC Innovative Plastics LNP VERTON EV008 PEI

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

### Material Notes:

LNP\* VERTON\* EV008 is a compound based on Polyetherimide containing 40% Long Glass Fiber. Added feature of this grade is: Structural.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-VERTON-EV008-PEI.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-EV008-PEI.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	187 MPa	27100 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.5 %	1.5 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	15.1 GPa	2190 ksi	5 mm/min; ASTM D638
Flexural Strength	268 MPa	38900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	14.4 GPa	2090 ksi	1.3 mm/min, 50 mm span; ASTM D790
Compressive Strength	282 MPa	40900 psi	SABIC Method
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	ASTM D256
Izod Impact, Unnotched	0.420 J/cm	0.787 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	15.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	8.33 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
	@Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	41.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	22.8 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
	@Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	206 $\text{Å}^\circ\text{C}$	403 $\text{Å}^\circ\text{F}$	unannealed; ASTM D648

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
--------------------	------------------------------	--------------------------------	----------

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China