



## E-LT 1800

Fiber Type: E-Glass  
 Architecture: 0°/90° Biaxial  
 Dry Thickness: 0.023 in. / 0.58 mm  
 Total Weight: 17.92 oz/sq.yd / 608 g/sq.m



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 193 lb / 88 kg  
 Roll Length: 120 yd / 110 m

### Fiber Architecture Data

0 ° : 8.96 oz/sq.yd / 304 g/sq.m  
 45 ° : n/a  
 90 ° : 8.96 oz/sq.yd / 304 g/sq.m  
 - 45 ° : n/a  
 Chopped Mat : n/a

- 1: Packaging: box or bag.  
 2: Weights do not include polyester stitching.

### Laminated Properties

0 °

0 °

Laminate Weight (lb/sq.ft)		
	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Fiber	0.12	0.12
Resin	0.06	0.10
Total	0.18	0.23

### Physical Properties

	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Density (g/cc)	1.87	1.69
Fiber Content (% by Wt.)	68%	55%
Thickness (in)	0.019	0.026

Laminate Moduli		
(MSI)	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Ex	3.76	2.82
Ey	3.76	2.82
Gxy	0.36	0.27
Ex,flex.	3.51	2.63
Ey,flex.	3.51	2.63

Ultimate Stress		
(KSI)	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Long. Ten.	71	53
Long. Comp.	71	53
Trans. Ten.	71	53
Trans. Comp.	71	53
In-Plane Shear	7	5
Long. Flex.	89	67
Trans. Flex.	89	67

In-Plane Stiffness, "EA"		
10 <sup>^3</sup> lb/in	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
(EA)x	70	73
(EA)y	70	73
(GA)xy	7	7

Ultimate In-Plane Load		
lb/in	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Long. Ten.	1,331	1,375
Long. Comp.	1,331	1,375
Trans. Ten.	1,331	1,375
Trans. Comp.	1,331	1,375
In-Plane Shear	136	137

**Notes:**

- 1: Resin infused laminate made with vinyl ester resin 200 cps viscosity @ 77° F.
- 2: Open mold laminate made with polyester resin.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.



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Disclaimer:

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VP makes no warranty whatsoever as to the accuracy of any such predicted physical performance, and customer acknowledges that customer is solely responsible for determining the performance and fitness for a particular use of any product produced by customer utilizing a fabric or material produced or manufactured by VP. Specifications of reinforcements may change without notice.