



## 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	0.05	0.10
Total	0.18	0.23

#### Physical Properties

	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Density (g/cc)	1.90	1.69
Fiber Content (% by Wt.)	70%	55%
Thickness (in)	0.018	0.026

Laminate Modulii		
(MSI)	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Ex	3.91	2.82
Ey	3.91	2.82
Gxy	0.66	0.47
Ex,flex.	3.71	2.68
Ey,flex.	3.71	2.68

Ultimate Stress		
(KSI)	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Long. Ten.	74	53
Long. Comp.	74	53
Trans. Ten.	74	53
Trans. Comp.	74	53
In-Plane Shear	13	9
Long. Flex.	88	64
Trans. Flex.	88	64

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	12	12

Ultimate In-Plane Load		
lb/in	E-LT 1800 Resin Infused	E-LT 1800 Open Mold
Long. Ten.	1,330	1,375
Long. Comp.	1,330	1,375
Trans. Ten.	1,330	1,375
Trans. Comp.	1,330	1,375
In-Plane Shear	236	242

**Notes:**

- 1: Resin infused laminate made with a poly / vinyl ester resin blend.
- 2: Open mold laminate made with poly / vinyl ester resin blend.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.



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Disclaimer:

As a service to customers, Vectorply Corporation ("VP") may provide computer-generated predictions of the physical performance of a product using a reinforcement fabric produced by VP in combination with other materials or systems.

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 utilising a fabric or material produced or manufactured by VP. Specifications of reinforcements may change without notice.