



## E-LT 4400

Fiber Type: E-Glass  
 Architecture: 0°/90° Biaxial  
 Dry Thickness: 0.044 in. / 1.12 mm  
 Total Weight: 43.92 oz/sq.yd / 1489 g/sq.m



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 198 lb / 90 kg  
 Roll Length: 51 yd / 47 m

### Fiber Architecture Data

0 ° : 21.93 oz/sq.yd / 744 g/sq.m  
 + 45 ° : n/a  
 90 ° : 21.99 oz/sq.yd / 746 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 4400 Resin Infused	E-LT 4400 Open Mold
Fiber	0.31	0.31
Resin	0.14	0.25
Total	0.45	0.55

### Physical Properties

	E-LT 4400 Resin Infused	E-LT 4400 Open Mold
Density (g/cc)	1.87	1.69
Fiber Content (% by Wt.)	68%	55%
Thickness (in)	0.046	0.063

Laminate Moduli		
(MSI)	E-LT 4400 Resin Infused	E-LT 4400 Open Mold
Ex	3.75	2.82
Ey	3.76	2.82
Gxy	0.36	0.27
Ex,flex.	3.51	2.63
Ey,flex.	3.51	2.64

Ultimate Stress		
(KSI)	E-LT 4400 Resin Infused	E-LT 4400 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 4400 Resin Infused	E-LT 4400 Open Mold
(EA)x	172	178
(EA)y	172	178
(GA)xy	17	17

Ultimate In-Plane Load		
lb/in	E-LT 4400 Resin Infused	E-LT 4400 Open Mold
Long. Ten.	3,261	3,368
Long. Comp.	3,261	3,368
Trans. Ten.	3,265	3,372
Trans. Comp.	3,265	3,372
In-Plane Shear	332	335

**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:

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