



E-LT 4000

Fiber Type: E-Glass
 Architecture: 0°/90° Biaxial
 Dry Thickness: 0.042 in. / 1.07 mm
 Total Weight: 40.26 oz/sq.yd / 1365 g/sq.m



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 220 lb / 100 kg
 Roll Length: 62 yd / 57 m

Fiber Architecture Data

0 ° : 18.50 oz/sq.yd / 627 g/sq.m
 45 ° : n/a
 90 ° : 21.76 oz/sq.yd / 738 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 4000 Resin Infused	E-LT 4000 Open Mold
Fiber	0.28	0.28
Resin	0.13	0.23
Total	0.41	0.51

Physical Properties

	E-LT 4000 Resin Infused	E-LT 4000 Open Mold
Density (g/cc)	1.87	1.69
Fiber Content (% by Wt.)	68%	55%
Thickness (in)	0.042	0.058

Laminate Moduli		
(MSI)	E-LT 4000 Resin Infused	E-LT 4000 Open Mold
Ex	3.61	2.71
Ey	3.90	2.93
Gxy	0.36	0.27
Ex,flex.	3.38	2.53
Ey,flex.	3.64	2.74

Ultimate Stress		
(KSI)	E-LT 4000 Resin Infused	E-LT 4000 Open Mold
Long. Ten.	68	51
Long. Comp.	68	51
Trans. Ten.	74	56
Trans. Comp.	74	56
In-Plane Shear	7	5
Long. Flex.	86	64
Trans. Flex.	93	70

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-LT 4000 Resin Infused	E-LT 4000 Open Mold
(EA)x	152	157
(EA)y	164	170
(GA)xy	15	15

Ultimate In-Plane Load		
lb/in	E-LT 4000 Resin Infused	E-LT 4000 Open Mold
Long. Ten.	2,877	2,968
Long. Comp.	2,877	2,968
Trans. Ten.	3,105	3,210
Trans. Comp.	3,105	3,210
In-Plane Shear	305	307

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.