



## E-LT 5500

Fiber Type: E-Glass  
 Architecture: 0/90 Biaxial  
 Dry Thickness: 0.060 in. / 1.52 mm  
 Total Weight: 54.33 oz/sq.yd / 1842 g/sq.m



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 269 lb / 122 kg  
 Roll Length: 56 yd / 51 m

### Fiber Architecture Data

0 ° : 50.97 oz/sq.yd / 1728 g/sq.m  
 45 ° : n/a  
 90 ° : 3.36 oz/sq.yd / 114 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 5500 Resin Infused	E-LT 5500 Open Mold
Fiber	0.38	0.38
Resin	0.16	0.31
Total	0.54	0.69

#### Physical Properties

	E-LT 5500 Resin Infused	E-LT 5500 Open Mold
Density (g/cc)	1.90	1.69
Fiber Content (% by Wt.)	70%	55%
Thickness (in)	0.054	0.078

Laminate Modulii		
(MSI)	E-LT 5500 Resin Infused	E-LT 5500 Open Mold
Ex	6.57	4.76
Ey	2.44	1.69
Gxy	0.66	0.47
Ex,flex.	6.24	4.53
Ey,flex.	2.32	1.61

Ultimate Stress		
(KSI)	E-LT 5500 Resin Infused	E-LT 5500 Open Mold
Long. Ten.	120	87
Long. Comp.	81	59
Trans. Ten.	47	32
Trans. Comp.	32	22
In-Plane Shear	13	9
Long. Flex.	115	83
Trans. Flex.	44	31

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-LT 5500 Resin Infused	E-LT 5500 Open Mold
(EA)x	358	372
(EA)y	133	132
(GA)xy	36	37

Ultimate In-Plane Load		
lb/in	E-LT 5500 Resin Infused	E-LT 5500 Open Mold
Long. Ten.	6,558	6,810
Long. Comp.	4,439	4,609
Trans. Ten.	2,538	2,516
Trans. Comp.	1,718	1,703
In-Plane Shear	716	733

**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:

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