



## E-TLX 5500

Fiber Type: E-Glass  
 Architecture: 0/45/-45 Warp Triaxial  
 Dry Thickness: 0.061 in. / 1.55 mm  
 Total Weight: 54.58 oz/sq.yd / 1851 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	27.70 oz/sq.yd / 939 g/sq.m
50 in / 1270 mm	200 lb / 91 kg	42 yd / 38 m	45 ° :	13.44 oz/sq.yd / 456 g/sq.m
			90 ° :	n/a
			-45 ° :	13.44 oz/sq.yd / 456 g/sq.m
			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-TLX 5500 Resin Infused	E-TLX 5500 Open Mold
Fiber	0.38	0.38
Resin	0.16	0.31
Total	0.54	0.69

Physical Properties		
	E-TLX 5500 Resin Infused	E-TLX 5500 Open Mold
Density (g/cc)	1.90	1.69
Fiber Content (% by Wt.)	70%	55%
Thickness (in)	0.055	0.078

Laminate Modulii		
(MSI)	E-TLX 5500 Resin Infused	E-TLX 5500 Open Mold
Ex	4.06	2.94
Ey	2.14	1.53
Gxy	1.23	0.88
Ex,flex.	3.86	2.79
Ey,flex.	2.04	1.45

Ultimate Stress		
(KSI)	E-TLX 5500 Resin Infused	E-TLX 5500 Open Mold
Long. Ten.	77	56
Long. Comp.	77	56
Trans. Ten.	21	15
Trans. Comp.	21	15
In-Plane Shear	23	17
Long. Flex.	92	66
Trans. Flex.	20	15

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-TLX 5500 Resin Infused	E-TLX 5500 Open Mold
(EA)x	222	230
(EA)y	117	120
(GA)xy	68	69

Ultimate In-Plane Load		
lb/in	E-TLX 5500 Resin Infused	E-TLX 5500 Open Mold
Long. Ten.	4,209	4,361
Long. Comp.	4,209	4,361
Trans. Ten.	1,172	1,200
Trans. Comp.	1,172	1,200
In-Plane Shear	1,278	1,307

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