



## E-QX 3500

Fiber Type: E-Glass  
 Architecture: 0/45/90/-45 Quadraxial  
 Dry Thickness: 0.047 in. / 1.19 mm  
 Total Weight: 35.96 oz/sq.yd / 1219 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	12.80 oz/sq.yd / 434 g/sq.m
50 in / 1270 mm	191 lb / 87 kg	60 yd / 55 m	45 ° :	5.82 oz/sq.yd / 197 g/sq.m
			90 ° :	11.52 oz/sq.yd / 391 g/sq.m
			-45 ° :	5.82 oz/sq.yd / 197 g/sq.m
			Chopped Mat :	n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

0 °

0 °

Laminated Properties		
Laminate Weight (lb/sq.ft)	E-QX 3500 Resin Infused	E-QX 3500 Open Mold
Fiber	0.25	0.25
Resin	0.12	0.20
Total	0.37	0.45

  

Physical Properties		
	E-QX 3500 Resin Infused	E-QX 3500 Open Mold
Density (g/cc)	1.87	1.69
Fiber Content (% by Wt.)	68%	55%
Thickness (in)	0.038	0.052

Laminate Modulii		
(MSI)	E-QX 3500 Resin Infused	E-QX 3500 Open Mold
Ex	3.33	2.52
Ey	3.21	2.42
Gxy	0.96	0.72
Ex,flex.	3.17	2.39
Ey,flex.	3.05	2.30

Ultimate Stress		
(KSI)	E-QX 3500 Resin Infused	E-QX 3500 Open Mold
Long. Ten.	63	48
Long. Comp.	63	48
Trans. Ten.	61	46
Trans. Comp.	61	46
In-Plane Shear	18	14
Long. Flex.	75	57
Trans. Flex.	73	55

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-QX 3500 Resin Infused	E-QX 3500 Open Mold
(EA)x	126	130
(EA)y	121	125
(GA)xy	36	37

Ultimate In-Plane Load		
lb/in	E-QX 3500 Resin Infused	E-QX 3500 Open Mold
Long. Ten.	2,381	2,460
Long. Comp.	2,381	2,460
Trans. Ten.	2,295	2,368
Trans. Comp.	2,295	2,368
In-Plane Shear	684	705

**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.