



## E-QXCFM 3510

Fiber Type: E-Glass  
 Architecture: 0°/+45°/90°/-45° Quadraxial  
 Dry Thickness: 0.062 in. / 1.57 mm  
 Total Weight: 44.96 oz/sq.yd / 1524 g/sq.m

**VECTORFUSION**  
INFUSION-SPECIFIC REINFORCEMENTS

### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 118 lb / 54 kg  
 Roll Length: 30 yd / 27 m

### Fiber Architecture Data

0 ° : 12.80 oz/sq.yd / 434 g/sq.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  
 Continuous Filament Mat : 9.00 oz/sq.yd / 305 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

0 °

0 °

#### Laminate Weight

(lb/sq.ft)	E-QXCFM 3510 Resin Infused
Fiber	0.31
Resin	0.19
Total	0.50

#### In-Plane Stiffness, "EA"

10 <sup>3</sup> lb/in	E-QXCFM 3510 Resin Infused
(EA) <sub>x</sub>	142
(EA) <sub>y</sub>	138
(GA) <sub>xy</sub>	38

Physical Properties	
	E-QXCFM 3510 Resin Infused
Density (g/cc)	1.79
Fiber Content (% by Wt.)	62%
Thickness (in)	0.054

Ultimate Stress	
(KSI)	E-QXCFM 3510 Resin Infused
Long. Ten.	43
Long. Comp.	50
Trans. Ten.	42
Trans. Comp.	49
In-Plane Shear	17
Long. Flex.	63
Trans. Flex.	61

**Notes:**

1: Laminate made with vinyl ester resin 200 cps viscosity @ 77° F.

Ultimate In-Plane Load	
lb/in	E-QXCFM 3510 Resin Infused
Long. Ten.	2,335
Long. Comp.	2,696
Trans. Ten.	2,266
Trans. Comp.	2,616
In-Plane Shear	925

Laminate Moduli	
(MSI)	E-QXCFM 3510 Resin Infused
Ex	2.65
Ey	2.57
Gxy	0.70
Ex,flex.	2.31
Ey,flex.	2.24



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Disclaimer:

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