



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			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	12.80 oz/sq.yd / 434 g/sq.m
50 in / 1270 mm	118 lb / 54 kg	30 yd / 27 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	0.24
Total	0.55

In-Plane Stiffness, "EA"	
10 ³ lb/in	E-QXCFM 3510 Resin Infused
(EA)x	152
(EA)y	147
(GA)xy	46

Physical Properties	
	E-QXCFM 3510 Resin Infused
Density (g/cc)	1.71
Fiber Content (% by Wt.)	57%
Thickness (in)	0.062

Ultimate Stress	
(KSI)	E-QXCFM 3510 Resin Infused
Long. Ten.	40
Long. Comp.	46
Trans. Ten.	39
Trans. Comp.	45
In-Plane Shear	14
Long. Flex.	55
Trans. Flex.	54

Notes:

1: Laminate made with poly / vinyl ester resin blend.

Ultimate In-Plane Load	
lb/in	E-QXCFM 3510 Resin Infused
Long. Ten.	2,486
Long. Comp.	2,870
Trans. Ten.	2,412
Trans. Comp.	2,784
In-Plane Shear	872

Laminate Moduli	
(MSI)	E-QXCFM 3510 Resin Infused
Ex	2.44
Ey	2.37
Gxy	0.74
Ex,flex.	2.32
Ey,flex.	2.25



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Disclaimer:

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