



## E-2LTi 5000

Fiber Type: E-Glass  
 Architecture: 0°/90°/0°/90° Biaxial  
 Dry Thickness: 0.062 in. / 1.57 mm  
 Total Weight: 49.12 oz/sq.yd / 1665 g/sq.m

**VECTORFUSION™**  
INFUSION-SPECIFIC REINFORCEMENTS

### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 152 lb / 69 kg  
 Roll Length: 29 yd / 27 m

### Fiber Architecture Data

0 ° : 35.68 oz/sq.yd / 1210 g/sq.m  
 45 ° : n/a  
 90 ° : 13.44 oz/sq.yd / 456 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-2LTi 5000 Resin Infused
Fiber	0.34
Resin	0.20
Total	0.54

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

10 <sup>3</sup> lb/in	E-2LTi 5000 Resin Infused
(EA)x	236
(EA)y	152
(GA)xy	18

Physical Properties	
	E-2LTi 5000 Resin Infused
Density (g/cc)	1.80
Fiber Content (% by Wt.)	63%
Thickness (in)	0.057

Ultimate Stress (KSI)	
	E-2LTi 5000 Resin Infused
Long. Ten.	78
Long. Comp.	78
Trans. Ten.	50
Trans. Comp.	50
In-Plane Shear	7
Long. Flex.	98
Trans. Flex.	63

**Notes:**

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

Ultimate In-Plane Load lb/in	
	E-2LTi 5000 Resin Infused
Long. Ten.	4,469
Long. Comp.	4,469
Trans. Ten.	2,873
Trans. Comp.	2,873
In-Plane Shear	428

Laminate Moduli (MSI)	
	E-2LTi 5000 Resin Infused
Ex	4.12
Ey	2.65
Gxy	0.32
Ex,flex.	3.84
Ey,flex.	2.47



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Disclaimer:

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