



## E-BX 4000

Fiber Type: E-Glass  
 Architecture: 45/-45 Double Bias  
 Dry Thickness: 0.042 in. / 1.07 mm  
 Total Weight: 40.14 oz/sq.yd / 1361 g/sq.m



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 220 lb / 100 kg  
 Roll Length: 63 yd / 58 m

### Fiber Architecture Data

0 ° : n/a  
 45 ° : 20.07 oz/sq.yd / 680 g/sq.m  
 90 ° : n/a  
 -45 ° : 20.07 oz/sq.yd / 680 g/sq.m  
 Chopped Mat : n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

45 °

45 °

#### Laminate Weight

(lb/sq.ft)	E-BX 4000 Resin Infused	E-BX 4000 Open Mold
Fiber	0.28	0.28
Resin	0.12	0.23
Total	0.40	0.51

#### Physical Properties

	E-BX 4000 Resin Infused	E-BX 4000 Open Mold
Density (g/cc)	1.90	1.69
Fiber Content (% by Wt.)	70%	55%
Thickness (in)	0.040	0.058

Laminate Modulii		
(MSI)	E-BX 4000 Resin Infused	E-BX 4000 Open Mold
Ex	3.91	2.82
Ey	3.91	2.82
Gxy	0.66	0.47
Ex,flex.	3.71	2.68
Ey,flex.	3.71	2.68

Ultimate Stress		
(KSI)	E-BX 4000 Resin Infused	E-BX 4000 Open Mold
Long. Ten.	74	53
Long. Comp.	74	53
Trans. Ten.	74	53
Trans. Comp.	74	53
In-Plane Shear	13	9
Long. Flex.	88	64
Trans. Flex.	88	64

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-BX 4000 Resin Infused	E-BX 4000 Open Mold
(EA)x	157	163
(EA)y	157	163
(GA)xy	26	27

Ultimate In-Plane Load		
lb/in	E-BX 4000 Resin Infused	E-BX 4000 Open Mold
Long. Ten.	2,979	3,080
Long. Comp.	2,979	3,080
Trans. Ten.	2,979	3,080
Trans. Comp.	2,979	3,080
In-Plane Shear	529	541

**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:

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