



## E-TTX 4000

Fiber Type: E-Glass  
 Architecture: 45/90/-45 Weft Triaxial  
 Dry Thickness: 0.047 in. / 1.19 mm  
 Total Weight: 40.10 oz/sq.yd / 1360 g/sq.m



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 224 lb / 102 kg  
 Roll Length: 63 yd / 58 m

### Fiber Architecture Data

0 ° : n/a  
 45 ° : 11.95 oz/sq.yd / 405 g/sq.m  
 90 ° : 16.20 oz/sq.yd / 549 g/sq.m  
 -45 ° : 11.95 oz/sq.yd / 405 g/sq.m  
 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-TTX 4000 Resin Infused	E-TTX 4000 Open Mold
Fiber	0.28	0.28
Resin	0.12	0.23
Total	0.40	0.51

#### Physical Properties

	E-TTX 4000 Resin Infused	E-TTX 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-TTX 4000 Resin Infused	E-TTX 4000 Open Mold
Ex	2.26	1.61
Ey	3.57	2.59
Gxy	1.30	0.93
Ex,flex.	2.15	1.53
Ey,flex.	3.39	2.46

Ultimate Stress		
(KSI)	E-TTX 4000 Resin Infused	E-TTX 4000 Open Mold
Long. Ten.	23	16
Long. Comp.	23	16
Trans. Ten.	68	49
Trans. Comp.	68	49
In-Plane Shear	25	18
Long. Flex.	22	15
Trans. Flex.	81	58

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-TTX 4000 Resin Infused	E-TTX 4000 Open Mold
(EA)x	91	93
(EA)y	143	149
(GA)xy	52	54

Ultimate In-Plane Load		
lb/in	E-TTX 4000 Resin Infused	E-TTX 4000 Open Mold
Long. Ten.	910	926
Long. Comp.	910	926
Trans. Ten.	2,716	2,821
Trans. Comp.	2,716	2,821
In-Plane Shear	987	1,017

**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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