



E-BX 1700

Fiber Type: E-Glass
 Architecture: +45°/-45° Double Bias
 Dry Thickness: 0.026 in. / 0.66 mm
 Total Weight: 17.92 oz/sq.yd / 608 g/sq.m



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	196 lb / 89 kg	125 yd / 114 m	45 ° :	8.96 oz/sq.yd / 304 g/sq.m
			90 ° :	n/a
			- 45 ° :	8.96 oz/sq.yd / 304 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 1700 Resin Infused	E-BX 1700 Open Mold
Fiber	0.12	0.12
Resin	0.05	0.10
Total	0.18	0.23

Physical Properties		
	E-BX 1700 Resin Infused	E-BX 1700 Open Mold
Density (g/cc)	1.90	1.69
Fiber Content (% by Wt.)	70%	55%
Thickness (in)	0.018	0.026

Laminate Moduli		
(MSI)	E-BX 1700 Resin Infused	E-BX 1700 Open Mold
Ex	3.47	2.57
Ey	3.47	2.57
Gxy	0.32	0.23
Ex,flex.	3.27	2.42
Ey,flex.	3.27	2.42

Ultimate Stress		
(KSI)	E-BX 1700 Resin Infused	E-BX 1700 Open Mold
Long. Ten.	66	49
Long. Comp.	66	49
Trans. Ten.	66	49
Trans. Comp.	66	49
In-Plane Shear	6	5
Long. Flex.	82	61
Trans. Flex.	82	61

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-BX 1700 Resin Infused	E-BX 1700 Open Mold
(EA)x	63	66
(EA)y	63	66
(GA)xy	6	6

Ultimate In-Plane Load		
lb/in	E-BX 1700 Resin Infused	E-BX 1700 Open Mold
Long. Ten.	1,184	1,253
Long. Comp.	1,184	1,253
Trans. Ten.	1,184	1,253
Trans. Comp.	1,184	1,253
In-Plane Shear	116	120

Notes:

- 1: Resin infused laminate made with vinyl ester resin 200 cps viscosity @ 77° F.
- 2: Open mold laminate made with polyester resin.
- 3: All standard reinforcements should be infused with a flow aid or Vectorfusion® reinforcements.



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Disclaimer:

As a service to customers, Vectorply Corporation ("VP") may provide computer-generated predictions of the physical performance of a product using a reinforcement fabric produced by VP in combination with other materials or systems.

VP makes no warranty whatsoever as to the accuracy of any such predicted physical performance, and customer acknowledges that customer is solely responsible for determining the performance and fitness for a particular use of any product produced by customer utilizing a fabric or material produced or manufactured by VP. Specifications of reinforcements may change without notice.