



## E-BXM 1708

Fiber Type: E-Glass  
 Architecture: +45°/-45° Double Bias  
 Dry Thickness: 0.046 in. / 1.17 mm  
 Total Weight: 26.02 oz/sq.yd / 882 g/sq.m



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	211 lb / 96 kg	90 yd / 82 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 :	8.10 oz/sq.yd / 275 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

45 °

45 °

Laminate Weight		
(lb/sq.ft)	E-BXM 1708 Resin Infused	E-BXM 1708 Open Mold
Fiber	0.18	0.18
Resin	0.08	0.20
Total	0.26	0.38

### Physical Properties

	E-BXM 1708 Resin Infused	E-BXM 1708 Open Mold
Density (g/cc)	1.88	1.60
Fiber Content (% by Wt.)	68%	47%
Thickness (in)	0.027	0.046

Laminate Moduli		
(MSI)	E-BXM 1708 Resin Infused	E-BXM 1708 Open Mold
Ex	2.94	1.86
Ey	2.94	1.86
Gxy	0.50	0.29
Ex,flex.	2.73	1.72
Ey,flex.	2.73	1.72

Ultimate Stress		
(KSI)	E-BXM 1708 Resin Infused	E-BXM 1708 Open Mold
Long. Ten.	48	31
Long. Comp.	67	42
Trans. Ten.	48	31
Trans. Comp.	67	42
In-Plane Shear	16	10
Long. Flex.	73	46
Trans. Flex.	73	46

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-BXM 1708 Resin Infused	E-BXM 1708 Open Mold
(EA)x	79	86
(EA)y	79	86
(GA)xy	14	13

Ultimate In-Plane Load		
lb/in	E-BXM 1708 Resin Infused	E-BXM 1708 Open Mold
Long. Ten.	1,304	1,408
Long. Comp.	1,812	1,957
Trans. Ten.	1,304	1,408
Trans. Comp.	1,812	1,957
In-Plane Shear	446	439

**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.