



## E-BXM 1208

Fiber Type: E-Glass  
 Architecture: +45°/-45° Double Bias  
 Dry Thickness: 0.036 in. / 0.91 mm  
 Total Weight: 20.64 oz/sq.yd / 700 g/sq.m



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 200 lb / 91 kg  
 Roll Length: 107 yd / 98 m

### Fiber Architecture Data

0 ° : n/a  
 45 ° : 6.27 oz/sq.yd / 213 g/sq.m  
 90 ° : n/a  
 - 45 ° : 6.27 oz/sq.yd / 213 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 1208 Resin Infused	E-BXM 1208 Open Mold
Fiber	0.14	0.14
Resin	0.07	0.18
Total	0.21	0.32

### Physical Properties

	E-BXM 1208 Resin Infused	E-BXM 1208 Open Mold
Density (g/cc)	1.87	1.57
Fiber Content (% by Wt.)	68%	45%
Thickness (in)	0.022	0.039

Laminate Moduli		
(MSI)	E-BXM 1208 Resin Infused	E-BXM 1208 Open Mold
Ex	3.28	1.87
Ey	3.28	1.87
Gxy	0.84	0.39
Ex,flex.	2.99	1.71
Ey,flex.	2.99	1.71

Ultimate Stress		
(KSI)	E-BXM 1208 Resin Infused	E-BXM 1208 Open Mold
Long. Ten.	54	31
Long. Comp.	75	43
Trans. Ten.	54	31
Trans. Comp.	75	43
In-Plane Shear	21	13
Long. Flex.	81	46
Trans. Flex.	81	46

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-BXM 1208 Resin Infused	E-BXM 1208 Open Mold
(EA)x	71	73
(EA)y	71	73
(GA)xy	18	15

Ultimate In-Plane Load		
lb/in	E-BXM 1208 Resin Infused	E-BXM 1208 Open Mold
Long. Ten.	1,167	1,199
Long. Comp.	1,622	1,666
Trans. Ten.	1,167	1,199
Trans. Comp.	1,622	1,666
In-Plane Shear	450	502

**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.