



## E-BXM 4008

Fiber Type: E-Glass  
 Architecture: 45/-45 Double Bias  
 Dry Thickness: 0.060 in. / 1.52 mm  
 Total Weight: 48.24 oz/sq.yd / 1636 g/sq.m



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	231 lb / 105 kg	54 yd / 49 m	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 :	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 4008 Resin Infused	E-BXM 4008 Open Mold
Fiber	0.34	0.34
Resin	0.15	0.34
Total	0.49	0.67

Physical Properties		
	E-BXM 4008 Resin Infused	E-BXM 4008 Open Mold
Density (g/cc)	1.88	1.63
Fiber Content (% by Wt.)	69%	50%
Thickness (in)	0.050	0.079

Laminate Modulii		
(MSI)	E-BXM 4008 Resin Infused	E-BXM 4008 Open Mold
Ex	3.51	2.35
Ey	3.51	2.35
Gxy	0.66	0.45
Ex,flex.	3.33	2.23
Ey,flex.	3.33	2.23

Ultimate Stress		
(KSI)	E-BXM 4008 Resin Infused	E-BXM 4008 Open Mold
Long. Ten.	58	39
Long. Comp.	80	54
Trans. Ten.	58	39
Trans. Comp.	80	54
In-Plane Shear	15	10
Long. Flex.	82	55
Trans. Flex.	82	55

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-BXM 4008 Resin Infused	E-BXM 4008 Open Mold
(EA)x	175	187
(EA)y	175	187
(GA)xy	33	36

Ultimate In-Plane Load		
lb/in	E-BXM 4008 Resin Infused	E-BXM 4008 Open Mold
Long. Ten.	2,864	3,060
Long. Comp.	3,981	4,254
Trans. Ten.	2,864	3,060
Trans. Comp.	3,981	4,254
In-Plane Shear	753	823

**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:

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.