



## 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			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 200 lb / 91 kg	Roll Length: 107 yd / 98 m	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				
	E-BXM 1208 Resin Infused		E-BXM 1208 Open Mold	
Fiber	0.14 lb/sq.ft	0.70 kg/sq.m	0.14 lb/sq.ft	0.70 kg/sq.m
Resin	0.07 lb/sq.ft	0.34 kg/sq.m	0.18 lb/sq.ft	0.88 kg/sq.m
Total	0.21 lb/sq.ft	1.04 kg/sq.m	0.32 lb/sq.ft	1.58 kg/sq.m

Physical Properties				
	E-BXM 1208 Resin Infused		E-BXM 1208 Open Mold	
Density	1.07 oz/cu.in	1.86 g/cc	0.90 oz/cu.in	1.57 g/cc
Fiber Content	67% by Wt.	49% by Vol.	44% by Wt.	27% by Vol.
Thickness	0.022 in	0.6 mm	0.040 in	1.0 mm

**Laminate Moduli**

	E-BXM 1208 Resin Infused		E-BXM 1208 Open Mold	
	Ex	3.04 MSI	20.99 GPa	1.90 MSI
Ey	3.04 MSI	20.99 GPa	1.90 MSI	13.09 GPa
Gxy	0.86 MSI	5.93 GPa	0.53 MSI	3.66 GPa
Ex,flex.	2.89 MSI	19.94 GPa	1.80 MSI	12.43 GPa
Ey,flex.	2.89 MSI	19.94 GPa	1.80 MSI	12.43 GPa

**Ultimate Stress**

	E-BXM 1208 Resin Infused		E-BXM 1208 Open Mold	
	Long. Ten.	49.9 KSI	344.2 MPa	31.1 KSI
Long. Comp.	69.4 KSI	478.5 MPa	43.3 KSI	298.4 MPa
Trans. Ten.	49.9 KSI	344.2 MPa	31.1 KSI	214.6 MPa
Trans. Comp.	69.4 KSI	478.5 MPa	43.3 KSI	298.4 MPa
In-Plane Shear	19.6 KSI	135.2 MPa	12.1 KSI	83.5 MPa
Long. Flex.	71.6 KSI	493.6 MPa	44.6 KSI	307.8 MPa
Trans. Flex.	71.6 KSI	493.6 MPa	44.6 KSI	307.8 MPa

**In-Plane Stiffness, "EA"**

	E-BXM 1208 Resin Infused		E-BXM 1208 Open Mold	
	(EA)x	67,327 lb/in	11,790 N/mm	75,469 lb/in
(EA)y	67,327 lb/in	11,790 N/mm	75,469 lb/in	13,216 N/mm
(GA)xy	19,025 lb/in	3,332 N/mm	21,123 lb/in	3,699 N/mm

**Ultimate In-Plane Load**

	E-BXM 1208 Resin Infused		E-BXM 1208 Open Mold	
	Long. Ten.	1,104 lb/in	193 N/mm	1,238 lb/in
Long. Comp.	1,535 lb/in	269 N/mm	1,721 lb/in	301 N/mm
Trans. Ten.	1,104 lb/in	193 N/mm	1,238 lb/in	217 N/mm
Trans. Comp.	1,535 lb/in	269 N/mm	1,721 lb/in	301 N/mm
In-Plane Shear	434 lb/in	76 N/mm	482 lb/in	84 N/mm

**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.
- 4: All properties are given assuming a symmetric or quasisymmetric laminate schedule.



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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.