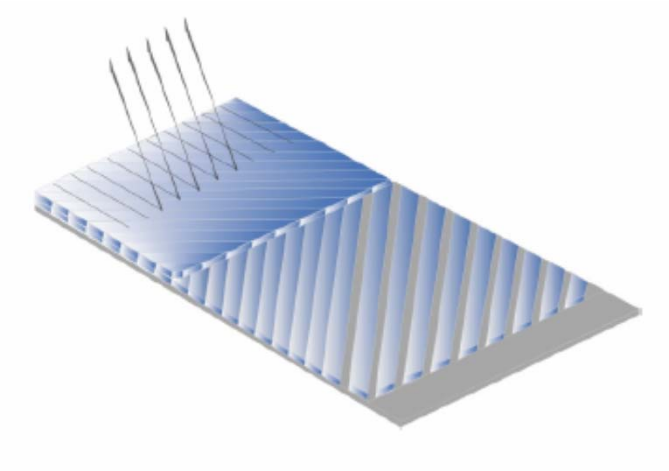
VECTORPLY®
Performance Composite Reinforcements



E-BXM 4008

Fiber Type:	E-Glass
Architecture:	45/-45 Double Bias
Dry Thickness:	0.060 in. / 1.52 mm
Total Weight:	47.52 oz/sq.yd / 1611 g/sq.m

Roll Specifications

Roll Width:	Roll Weight:	Roll Length:
50 in / 1270 mm	231 lb / 105 kg	54 yd / 49 m

Fiber Architecture Data

0 ° :	n/a
45 ° :	19.71 oz/sq.yd / 668 g/sq.m
90 ° :	n/a
-45 ° :	19.71 oz/sq.yd / 668 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 4008 Resin Infused		E-BXM 4008 Open Mold	
Fiber	0.33 lb/sq.ft	1.61 kg/sq.m	0.33 lb/sq.ft	1.61 kg/sq.m
Resin	0.15 lb/sq.ft	0.73 kg/sq.m	0.33 lb/sq.ft	1.63 kg/sq.m
Total	0.48 lb/sq.ft	2.35 kg/sq.m	0.66 lb/sq.ft	3.24 kg/sq.m

Physical Properties

	E-BXM 4008 Resin Infused		E-BXM 4008 Open Mold	
Density	1.09 oz/cu.in	1.88 g/cc	0.94 oz/cu.in	1.63 g/cc
Fiber Content	69% by Wt.	51% by Vol.	50% by Wt.	32% by Vol.
Thickness	0.049 in	1.2 mm	0.078 in	2.0 mm

Laminate Modulii	E-BXM 4008 Resin Infused		E-BXM 4008 Open Mold	
Ex	3.50 MSI	24.14 GPa	2.34 MSI	16.16 GPa
Ey	3.50 MSI	24.14 GPa	2.34 MSI	16.16 GPa
Gxy	0.66 MSI	4.57 GPa	0.45 MSI	3.13 GPa
Ex,flex.	3.33 MSI	22.93 GPa	2.23 MSI	15.35 GPa
Ey,flex.	3.33 MSI	22.93 GPa	2.23 MSI	15.35 GPa

Ultimate Stress	E-BXM 4008 Resin Infused		E-BXM 4008 Open Mold	
Long. Ten.	57.4 KSI	395.9 MPa	38.4 KSI	265.0 MPa
Long. Comp.	79.8 KSI	550.4 MPa	53.4 KSI	368.5 MPa
Trans. Ten.	57.4 KSI	395.9 MPa	38.4 KSI	265.0 MPa
Trans. Comp.	79.8 KSI	550.4 MPa	53.4 KSI	368.5 MPa
In-Plane Shear	15.1 KSI	104.2 MPa	10.4 KSI	71.4 MPa
Long. Flex.	82.3 KSI	567.8 MPa	55.1 KSI	380.1 MPa
Trans. Flex.	82.3 KSI	567.8 MPa	55.1 KSI	380.1 MPa

In-Plane Stiffness, "EA"	E-BXM 4008 Resin Infused		E-BXM 4008 Open Mold	
(EA)x	171,792 lb/in	30,084 N/mm	183,660 lb/in	32,162 N/mm
(EA)y	171,792 lb/in	30,084 N/mm	183,660 lb/in	32,162 N/mm
(GA)xy	32,531 lb/in	5,697 N/mm	35,606 lb/in	6,235 N/mm

Ultimate In-Plane Load	E-BXM 4008 Resin Infused		E-BXM 4008 Open Mold	
Long. Ten.	2,817 lb/in	493 N/mm	3,012 lb/in	527 N/mm
Long. Comp.	3,917 lb/in	686 N/mm	4,187 lb/in	733 N/mm
Trans. Ten.	2,817 lb/in	493 N/mm	3,012 lb/in	527 N/mm
Trans. Comp.	3,917 lb/in	686 N/mm	4,187 lb/in	733 N/mm
In-Plane Shear	742 lb/in	130 N/mm	812 lb/in	142 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.