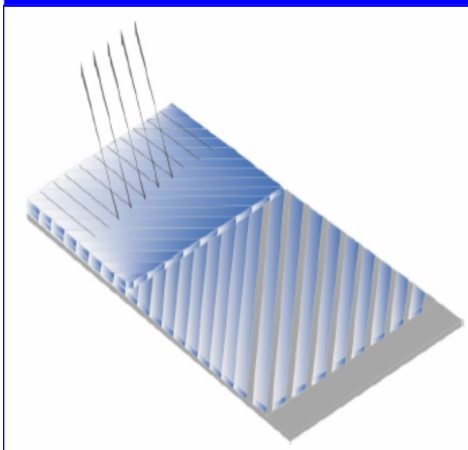
VECTORPLY®
PERFORMANCE COMPOSITE REINFORCEMENTS

3400 South Railroad Street
Phenix City, AL 36867
Phone: 334-291-7704
Toll Free: 800-577-4521
www.vectorply.com

E-BXM 1208-6VC



Fiber Summary

Fiber Type :	E-Glass	
Architecture :	+45°/-45° Double Bias	
Dry Thickness :	0.086 in	2.18 mm
Total Weight :	25.95 oz/yd²	880 g/m²

Fiber Architecture Data

0° :	N/A	N/A
45° :	6.27 oz/yd²	213 g/m²
90° :	N/A	N/A
-45° :	6.27 oz/yd²	213 g/m²
Polypropylene Flow Core :	5.31 oz/yd²	180 g/m²
Chopped Mat :	8.10 oz/yd²	275 g/m²

Roll Specifications

Roll Width :	50.00 in	1270 mm
Roll Weight :	76 lb	35 kg
Roll Length :	33 yd	30 m

Estimated Laminate Properties

Infused - 45°

Physical Properties				
Fiber	0.18	lb/ft²	0.88	kg/m²
Resin	0.30	lb/ft²	1.45	kg/m²
Total	0.48	lb/ft²	2.33	kg/m²

Physical Properties				
Density	0.83	oz/in³	1.44	g/cm³
Fiber Content	38% by Wt.		25% by Vol.	
Thickness	0.064	in	1.61	mm

Laminate Moduli				
Ex	1.44	Msi	9.94	GPa
Ey	1.44	Msi	9.94	GPa
Gxy	0.38	Msi	2.65	GPa

Ultimate Stress				
Long. Tensile	23.7	ksi	163.1	MPa
Long. Comp.	27.3	ksi	188.2	MPa
Trans Tensile	23.7	ksi	163.1	MPa
Trans. Comp.	27.3	ksi	188.2	MPa
In-Plane Shear	12.6	ksi	86.9	MPa

Notes: Infused - 45° laminate property estimates made with polyester resin.

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.

Revised: 03-18-2021

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