



E-BXM 2408

Fiber Type: E-Glass
 Architecture: 45/-45 Double Bias
 Dry Thickness: 0.050 in. / 1.27 mm
 Total Weight: 32.30 oz/sq.yd / 1095 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 221 lb / 100 kg	Roll Length: 78 yd / 71 m	0 ° : n/a	
			45 ° : 12.10 oz/sq.yd / 410 g/sq.m	
			90 ° : n/a	
			-45 ° : 12.10 oz/sq.yd / 410 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 2408 Resin Infused		E-BXM 2408 Open Mold	
Fiber	0.22 lb/sq.ft	1.10 kg/sq.m	0.22 lb/sq.ft	1.10 kg/sq.m
Resin	0.11 lb/sq.ft	0.51 kg/sq.m	0.25 lb/sq.ft	1.20 kg/sq.m
Total	0.33 lb/sq.ft	1.61 kg/sq.m	0.47 lb/sq.ft	2.30 kg/sq.m

Physical Properties				
	E-BXM 2408 Resin Infused		E-BXM 2408 Open Mold	
Density	1.08 oz/cu.in	1.87 g/cc	0.93 oz/cu.in	1.60 g/cc
Fiber Content	68% by Wt.	50% by Vol.	48% by Wt.	30% by Vol.
Thickness	0.034 in	0.9 mm	0.057 in	1.4 mm

Laminate Moduli

	E-BXM 2408 Resin Infused		E-BXM 2408 Open Mold	
	Ex	2.94 MSI	20.27 GPa	1.97 MSI
Ey	2.94 MSI	20.27 GPa	1.97 MSI	13.59 GPa
Gxy	0.51 MSI	3.49 GPa	0.37 MSI	2.56 GPa
Ex,flex.	2.79 MSI	19.26 GPa	1.87 MSI	12.91 GPa
Ey,flex.	2.79 MSI	19.26 GPa	1.87 MSI	12.91 GPa

Ultimate Stress

	E-BXM 2408 Resin Infused		E-BXM 2408 Open Mold	
	Long. Ten.	48.2 KSI	332.4 MPa	32.3 KSI
Long. Comp.	67.0 KSI	462.1 MPa	44.9 KSI	309.8 MPa
Trans. Ten.	48.2 KSI	332.4 MPa	32.3 KSI	222.8 MPa
Trans. Comp.	67.0 KSI	462.1 MPa	44.9 KSI	309.8 MPa
In-Plane Shear	11.5 KSI	79.6 MPa	8.5 KSI	58.3 MPa
Long. Flex.	69.1 KSI	476.7 MPa	46.3 KSI	319.5 MPa
Trans. Flex.	69.1 KSI	476.7 MPa	46.3 KSI	319.5 MPa

In-Plane Stiffness, "EA"

	E-BXM 2408 Resin Infused		E-BXM 2408 Open Mold	
	(EA)x	99,392 lb/in	17,405 N/mm	111,331 lb/in
(EA)y	99,392 lb/in	17,405 N/mm	111,331 lb/in	19,496 N/mm
(GA)xy	17,120 lb/in	2,998 N/mm	20,962 lb/in	3,671 N/mm

Ultimate In-Plane Load

	E-BXM 2408 Resin Infused		E-BXM 2408 Open Mold	
	Long. Ten.	1,630 lb/in	285 N/mm	1,826 lb/in
Long. Comp.	2,266 lb/in	397 N/mm	2,538 lb/in	445 N/mm
Trans. Ten.	1,630 lb/in	285 N/mm	1,826 lb/in	320 N/mm
Trans. Comp.	2,266 lb/in	397 N/mm	2,538 lb/in	445 N/mm
In-Plane Shear	390 lb/in	68 N/mm	478 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:

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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.