



E-BX 1200

Fiber Type: E-Glass
 Architecture: 45/-45 Double Bias
 Dry Thickness: 0.016 in. / 0.41 mm
 Total Weight: 12.54 oz/sq.yd / 425 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	227 lb / 103 kg	196 yd / 179 m	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 :	n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

45 °

45 °

Laminate Weight				
	E-BX 1200 Resin Infused		E-BX 1200 Open Mold	
Fiber	0.09 lb/sq.ft	0.43 kg/sq.m	0.09 lb/sq.ft	0.43 kg/sq.m
Resin	0.04 lb/sq.ft	0.18 kg/sq.m	0.07 lb/sq.ft	0.35 kg/sq.m
Total	0.12 lb/sq.ft	0.61 kg/sq.m	0.16 lb/sq.ft	0.77 kg/sq.m

Physical Properties				
	E-BX 1200 Resin Infused		E-BX 1200 Open Mold	
Density	1.10 oz/cu.in	1.90 g/cc	0.98 oz/cu.in	1.69 g/cc
Fiber Content	70% by Wt.	52% by Vol.	55% by Wt.	37% by Vol.
Thickness	0.013 in	0.3 mm	0.018 in	0.5 mm

Laminate Moduli

	E-BX 1200 Resin Infused		E-BX 1200 Open Mold	
	Ex	3.91 MSI	26.95 GPa	2.82 MSI
Ey	3.91 MSI	26.95 GPa	2.82 MSI	19.46 GPa
Gxy	0.93 MSI	6.44 GPa	0.64 MSI	4.39 GPa
Ex,flex.	3.71 MSI	25.61 GPa	2.68 MSI	18.48 GPa
Ey,flex.	3.71 MSI	25.61 GPa	2.68 MSI	18.48 GPa

Ultimate Stress

	E-BX 1200 Resin Infused		E-BX 1200 Open Mold	
	Long. Ten.	74.0 KSI	510.3 MPa	53.4 KSI
Long. Comp.	74.0 KSI	510.3 MPa	53.4 KSI	368.4 MPa
Trans. Ten.	74.0 KSI	510.3 MPa	53.4 KSI	368.4 MPa
Trans. Comp.	74.0 KSI	510.3 MPa	53.4 KSI	368.4 MPa
In-Plane Shear	18.7 KSI	128.9 MPa	12.7 KSI	87.8 MPa
Long. Flex.	88.3 KSI	609.1 MPa	63.8 KSI	439.7 MPa
Trans. Flex.	88.3 KSI	609.1 MPa	63.8 KSI	439.7 MPa

In-Plane Stiffness, "EA"

	E-BX 1200 Resin Infused		E-BX 1200 Open Mold	
	(EA)x	49,158 lb/in	8,608 N/mm	50,827 lb/in
(EA)y	49,158 lb/in	8,608 N/mm	50,827 lb/in	8,901 N/mm
(GA)xy	11,751 lb/in	2,058 N/mm	11,467 lb/in	2,008 N/mm

Ultimate In-Plane Load

	E-BX 1200 Resin Infused		E-BX 1200 Open Mold	
	Long. Ten.	931 lb/in	163 N/mm	962 lb/in
Long. Comp.	931 lb/in	163 N/mm	962 lb/in	169 N/mm
Trans. Ten.	931 lb/in	163 N/mm	962 lb/in	169 N/mm
Trans. Comp.	931 lb/in	163 N/mm	962 lb/in	169 N/mm
In-Plane Shear	235 lb/in	41 N/mm	229 lb/in	40 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.