



E-QX 10200

Fiber Type: E-Glass
 Architecture: 0/45/90/-45 Quadraxial
 Dry Thickness: 0.097 in. / 2.46 mm
 Total Weight: 101.05 oz/sq.yd / 3426 g/sq.m

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 179 lb / 81 kg
 Roll Length: 20 yd / 18 m

Fiber Architecture Data

0 ° : 50.97 oz/sq.yd / 1728 g/sq.m
 45 ° : 17.92 oz/sq.yd / 608 g/sq.m
 90 ° : 14.24 oz/sq.yd / 483 g/sq.m
 -45 ° : 17.92 oz/sq.yd / 608 g/sq.m
 Chopped Mat : n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight

(lb/sq.ft)	E-QX 10200 Resin Infused	E-QX 10200 Open Mold
Fiber	0.70	0.70
Resin	0.33	0.57
Total	1.03	1.28

Physical Properties

	E-QX 10200 Resin Infused	E-QX 10200 Open Mold
Density (g/cc)	1.87	1.69
Fiber Content (% by Wt.)	68%	55%
Thickness (in)	0.106	0.145

Laminate Modulii		
(MSI)	E-QX 10200 Resin Infused	E-QX 10200 Open Mold
Ex	3.82	2.90
Ey	2.61	1.95
Gxy	0.99	0.75
Ex,flex.	3.63	2.75
Ey,flex.	2.48	1.85

Ultimate Stress		
(KSI)	E-QX 10200 Resin Infused	E-QX 10200 Open Mold
Long. Ten.	72	55
Long. Comp.	72	55
Trans. Ten.	49	37
Trans. Comp.	49	37
In-Plane Shear	19	14
Long. Flex.	86	65
Trans. Flex.	59	44

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-QX 10200 Resin Infused	E-QX 10200 Open Mold
(EA)x	406	421
(EA)y	276	283
(GA)xy	105	108

Ultimate In-Plane Load		
lb/in	E-QX 10200 Resin Infused	E-QX 10200 Open Mold
Long. Ten.	7,677	7,961
Long. Comp.	7,677	7,961
Trans. Ten.	5,233	5,364
Trans. Comp.	5,233	5,364
In-Plane Shear	1,987	2,047

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.



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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.