



## E-QX 4800

Fiber Type: E-Glass  
 Architecture: 0°/+45°/90°/-45° Quadaxial  
 Dry Thickness: 0.060 in. / 1.52 mm  
 Total Weight: 48.22 oz/sq.yd / 1635 g/sq.m



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 219 lb / 100 kg  
 Roll Length: 52 yd / 48 m

### Fiber Architecture Data

0 ° : 12.80 oz/sq.yd / 434 g/sq.m  
 45 ° : 11.95 oz/sq.yd / 405 g/sq.m  
 90 ° : 11.52 oz/sq.yd / 391 g/sq.m  
 - 45 ° : 11.95 oz/sq.yd / 405 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 4800 Resin Infused	E-QX 4800 Open Mold
Fiber	0.33	0.33
Resin	0.16	0.27
Total	0.49	0.61

#### Physical Properties

	E-QX 4800 Resin Infused	E-QX 4800 Open Mold
Density (g/cc)	1.87	1.69
Fiber Content (% by Wt.)	68%	55%
Thickness (in)	0.050	0.069

Laminate Moduli		
(MSI)	E-QX 4800 Resin Infused	E-QX 4800 Open Mold
Ex	2.81	2.10
Ey	2.73	2.04
Gxy	1.01	0.75
Ex,flex.	2.33	1.74
Ey,flex.	2.26	1.68

Ultimate Stress		
(KSI)	E-QX 4800 Resin Infused	E-QX 4800 Open Mold
Long. Ten.	53	40
Long. Comp.	53	40
Trans. Ten.	52	39
Trans. Comp.	52	39
In-Plane Shear	29	21
Long. Flex.	67	50
Trans. Flex.	65	49

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-QX 4800 Resin Infused	E-QX 4800 Open Mold
(EA)x	141	146
(EA)y	137	141
(GA)xy	51	52

Ultimate In-Plane Load		
lb/in	E-QX 4800 Resin Infused	E-QX 4800 Open Mold
Long. Ten.	2,678	2,759
Long. Comp.	2,678	2,759
Trans. Ten.	2,599	2,674
Trans. Comp.	2,599	2,674
In-Plane Shear	1,441	1,478

**Notes:**

- 1: Resin infused laminate made with vinyl ester resin 200 cps viscosity @ 77° F.
- 2: Open mold laminate made with polyester resin.
- 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.