



E-QX 4700

Fiber Type: E-Glass
 Architecture: 0°/+45°/90°/-45° Quadaxial
 Dry Thickness: 0.060 in. / 1.52 mm
 Total Weight: 47.58 oz/sq.yd / 1613 g/sq.m



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 218 lb / 99 kg
 Roll Length: 52 yd / 48 m

Fiber Architecture Data

0 ° : 12.80 oz/sq.yd / 434 g/sq.m
 45 ° : 9.07 oz/sq.yd / 308 g/sq.m
 90 ° : 16.64 oz/sq.yd / 564 g/sq.m
 - 45 ° : 9.07 oz/sq.yd / 308 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 4700 Resin Infused	E-QX 4700 Open Mold
Fiber	0.33	0.33
Resin	0.15	0.27
Total	0.48	0.60

Physical Properties

	E-QX 4700 Resin Infused	E-QX 4700 Open Mold
Density (g/cc)	1.87	1.69
Fiber Content (% by Wt.)	68%	55%
Thickness (in)	0.050	0.068

Laminate Moduli		
(MSI)	E-QX 4700 Resin Infused	E-QX 4700 Open Mold
Ex	2.90	2.17
Ey	3.16	2.37
Gxy	0.86	0.64
Ex,flex.	2.51	1.87
Ey,flex.	2.74	2.05

Ultimate Stress		
(KSI)	E-QX 4700 Resin Infused	E-QX 4700 Open Mold
Long. Ten.	55	41
Long. Comp.	55	41
Trans. Ten.	60	45
Trans. Comp.	60	45
In-Plane Shear	24	18
Long. Flex.	69	52
Trans. Flex.	75	56

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-QX 4700 Resin Infused	E-QX 4700 Open Mold
(EA)x	144	148
(EA)y	157	162
(GA)xy	43	44

Ultimate In-Plane Load		
lb/in	E-QX 4700 Resin Infused	E-QX 4700 Open Mold
Long. Ten.	2,726	2,805
Long. Comp.	2,726	2,805
Trans. Ten.	2,975	3,070
Trans. Comp.	2,975	3,070
In-Plane Shear	1,211	1,241

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.