



## E-QX 3600

Fiber Type: E-Glass  
 Architecture: 0/45/90/-45 Quadraxial  
 Dry Thickness: 0.051 in. / 1.30 mm  
 Total Weight: 35.84 oz/sq.yd / 1215 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 223 lb / 101 kg	Roll Length: 70 yd / 64 m	0 ° :	8.96 oz/sq.yd / 304 g/sq.m
			45 ° :	8.96 oz/sq.yd / 304 g/sq.m
			90 ° :	8.96 oz/sq.yd / 304 g/sq.m
			-45 ° :	8.96 oz/sq.yd / 304 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				
	E-QX 3600 Resin Infused		E-QX 3600 Open Mold	
Fiber	0.25 lb/sq.ft	1.22 kg/sq.m	0.25 lb/sq.ft	1.22 kg/sq.m
Resin	0.12 lb/sq.ft	0.57 kg/sq.m	0.20 lb/sq.ft	0.99 kg/sq.m
Total	0.37 lb/sq.ft	1.79 kg/sq.m	0.45 lb/sq.ft	2.21 kg/sq.m

Physical Properties				
	E-QX 3600 Resin Infused		E-QX 3600 Open Mold	
Density	1.08 oz/cu.in	1.87 g/cc	0.98 oz/cu.in	1.69 g/cc
Fiber Content	68% by Wt.	50% by Vol.	55% by Wt.	37% by Vol.
Thickness	0.038 in	1.0 mm	0.051 in	1.3 mm

**Laminate Moduli**

	E-QX 3600		E-QX 3600	
	Resin Infused		Open Mold	
Ex	2.98 MSI	20.54 GPa	2.25 MSI	15.49 GPa
Ey	2.98 MSI	20.54 GPa	2.25 MSI	15.49 GPa
Gxy	1.14 MSI	7.86 GPa	0.86 MSI	5.92 GPa
Ex,flex.	2.83 MSI	19.51 GPa	2.13 MSI	14.72 GPa
Ey,flex.	2.83 MSI	19.51 GPa	2.13 MSI	14.72 GPa

**Ultimate Stress**

	E-QX 3600		E-QX 3600	
	Resin Infused		Open Mold	
Long. Ten.	56.4 KSI	388.9 MPa	42.5 KSI	293.3 MPa
Long. Comp.	56.4 KSI	388.9 MPa	42.5 KSI	293.3 MPa
Trans. Ten.	56.4 KSI	388.9 MPa	42.5 KSI	293.3 MPa
Trans. Comp.	56.4 KSI	388.9 MPa	42.5 KSI	293.3 MPa
In-Plane Shear	21.6 KSI	148.8 MPa	16.2 KSI	112.0 MPa
Long. Flex.	67.3 KSI	464.1 MPa	50.8 KSI	350.1 MPa
Trans. Flex.	67.3 KSI	464.1 MPa	50.8 KSI	350.1 MPa

**In-Plane Stiffness, "EA"**

	E-QX 3600		E-QX 3600	
	Resin Infused		Open Mold	
(EA)x	112,018 lb/in	19,616 N/mm	115,629 lb/in	20,249 N/mm
(EA)y	112,018 lb/in	19,616 N/mm	115,629 lb/in	20,249 N/mm
(GA)xy	42,866 lb/in	7,507 N/mm	44,154 lb/in	7,732 N/mm

**Ultimate In-Plane Load**

	E-QX 3600		E-QX 3600	
	Resin Infused		Open Mold	
Long. Ten.	2,121 lb/in	371 N/mm	2,189 lb/in	383 N/mm
Long. Comp.	2,121 lb/in	371 N/mm	2,189 lb/in	383 N/mm
Trans. Ten.	2,121 lb/in	371 N/mm	2,189 lb/in	383 N/mm
Trans. Comp.	2,121 lb/in	371 N/mm	2,189 lb/in	383 N/mm
In-Plane Shear	812 lb/in	142 N/mm	836 lb/in	146 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:**

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.