



E-QX 2600

Fiber Type: E-Glass
 Architecture: 0/45/90/-45 Quadraxial
 Dry Thickness: 0.037 in. / 0.94 mm
 Total Weight: 25.18 oz/sq.yd / 854 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 219 lb / 100 kg	Roll Length: 97 yd / 89 m	0 ° :	6.40 oz/sq.yd / 217 g/sq.m
			45 ° :	6.27 oz/sq.yd / 213 g/sq.m
			90 ° :	6.24 oz/sq.yd / 212 g/sq.m
			-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

0 °

0 °

Laminate Weight				
	E-QX 2600 Resin Infused		E-QX 2600 Open Mold	
Fiber	0.17 lb/sq.ft	0.85 kg/sq.m	0.17 lb/sq.ft	0.85 kg/sq.m
Resin	0.08 lb/sq.ft	0.40 kg/sq.m	0.14 lb/sq.ft	0.70 kg/sq.m
Total	0.26 lb/sq.ft	1.26 kg/sq.m	0.32 lb/sq.ft	1.55 kg/sq.m

Physical Properties				
	E-QX 2600 Resin Infused		E-QX 2600 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	0.026 in	0.7 mm	0.036 in	0.9 mm

Laminate Moduli

	E-QX 2600 Resin Infused		E-QX 2600 Open Mold	
	Ex	2.99 MSI	20.63 GPa	2.26 MSI
Ey	2.97 MSI	20.49 GPa	2.24 MSI	15.45 GPa
Gxy	1.14 MSI	7.85 GPa	0.86 MSI	5.90 GPa
Ex,flex.	2.84 MSI	19.60 GPa	2.14 MSI	14.79 GPa
Ey,flex.	2.82 MSI	19.47 GPa	2.13 MSI	14.68 GPa

Ultimate Stress

	E-QX 2600 Resin Infused		E-QX 2600 Open Mold	
	Long. Ten.	56.7 KSI	390.7 MPa	42.7 KSI
Long. Comp.	56.7 KSI	390.7 MPa	42.7 KSI	294.7 MPa
Trans. Ten.	56.3 KSI	388.0 MPa	42.4 KSI	292.6 MPa
Trans. Comp.	56.3 KSI	388.0 MPa	42.4 KSI	292.6 MPa
In-Plane Shear	21.5 KSI	148.5 MPa	16.2 KSI	111.8 MPa
Long. Flex.	67.6 KSI	466.3 MPa	51.0 KSI	351.7 MPa
Trans. Flex.	67.2 KSI	463.1 MPa	50.6 KSI	349.2 MPa

In-Plane Stiffness, "EA"

	E-QX 2600 Resin Infused		E-QX 2600 Open Mold	
	(EA)x	79,065 lb/in	13,846 N/mm	81,622 lb/in
(EA)y	78,520 lb/in	13,750 N/mm	81,043 lb/in	14,192 N/mm
(GA)xy	30,062 lb/in	5,264 N/mm	30,965 lb/in	5,423 N/mm

Ultimate In-Plane Load

	E-QX 2600 Resin Infused		E-QX 2600 Open Mold	
	Long. Ten.	1,497 lb/in	262 N/mm	1,545 lb/in
Long. Comp.	1,497 lb/in	262 N/mm	1,545 lb/in	271 N/mm
Trans. Ten.	1,487 lb/in	260 N/mm	1,534 lb/in	269 N/mm
Trans. Comp.	1,487 lb/in	260 N/mm	1,534 lb/in	269 N/mm
In-Plane Shear	569 lb/in	100 N/mm	586 lb/in	103 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.