



C-QX 2300

Fiber Type: Carbon
 Architecture: 0°/+45°/90°/-45° Quadaxial
 Dry Thickness: 0.040 in. / 1.02 mm
 Total Weight: 22.96 oz/sq.yd / 778 g/sq.m

VECTORULTRA™



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 113 lb / 51 kg
 Roll Length: 57 yd / 52 m

Fiber Architecture Data

0 ° : 5.58 oz/sq.yd / 189 g/sq.m
 45 ° : 5.90 oz/sq.yd / 200 g/sq.m
 90 ° : 5.58 oz/sq.yd / 189 g/sq.m
 - 45 ° : 5.90 oz/sq.yd / 200 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)		
	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
Fiber	0.16	0.16
Resin	0.09	0.19
Total	0.25	0.35

Physical Properties

	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
Density (g/cc)	1.53	1.41
Fiber Content (% by Wt.)	65%	45%
Thickness (in)	0.031	0.048

Laminate Moduli		
(MSI)	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
Ex	6.02	4.00
Ey	6.02	4.00
Gxy	2.38	1.57
Ex,flex.	5.11	3.37
Ey,flex.	5.11	3.37

Ultimate Stress		
(KSI)	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
Long. Ten.	72	48
Long. Comp.	46	31
Trans. Ten.	72	48
Trans. Comp.	46	31
In-Plane Shear	27	18
Long. Flex.	46	31
Trans. Flex.	46	31

In-Plane Stiffness, "EA"		
10 ³ lb/in	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
(EA)x	186	193
(EA)y	186	193
(GA)xy	74	76

Ultimate In-Plane Load		
lb/in	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
Long. Ten.	2,232	2,317
Long. Comp.	1,426	1,480
Trans. Ten.	2,232	2,317
Trans. Comp.	1,426	1,480
In-Plane Shear	846	872

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.