



C-QX 2300

Fiber Type: Carbon
 Architecture: 0/45/90/-45 Quadraxial
 Dry Thickness: 0.039 in. / 0.99 mm
 Total Weight: 22.70 oz/sq.yd / 770 g/sq.m

VECTORULTRA™



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 115 lb / 52 kg
 Roll Length: 58 yd / 53 m

Fiber Architecture Data

0 ° : 5.57 oz/sq.yd / 189 g/sq.m
 45 ° : 5.78 oz/sq.yd / 196 g/sq.m
 90 ° : 5.57 oz/sq.yd / 189 g/sq.m
 -45 ° : 5.78 oz/sq.yd / 196 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.)	64%	45%
Thickness (in)	0.031	0.048

Laminate Modulii		
(MSI)	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
Ex	6.16	4.18
Ey	6.16	4.18
Gxy	2.44	1.64
Ex,flex.	5.85	3.97
Ey,flex.	5.85	3.97

Ultimate Stress		
(KSI)	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
Long. Ten.	74	50
Long. Comp.	47	32
Trans. Ten.	74	50
Trans. Comp.	47	32
In-Plane Shear	37	25
Long. Flex.	45	30
Trans. Flex.	45	30

In-Plane Stiffness, "EA"		
10 ³ lb/in	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
(EA)x	191	199
(EA)y	191	199
(GA)xy	76	78

Ultimate In-Plane Load		
lb/in	C-QX 2300 Resin Infused	C-QX 2300 Open Mold
Long. Ten.	2,295	2,392
Long. Comp.	1,466	1,528
Trans. Ten.	2,295	2,392
Trans. Comp.	1,466	1,528
In-Plane Shear	1,160	1,203

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.



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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 utilising a fabric or material produced or manufactured by VP. Specifications of reinforcements may change without notice.