



## C-TTX 1800

Fiber Type: Carbon  
 Architecture: +45°/90°/-45° Triaxial  
 Dry Thickness: 0.035 in. / 0.89 mm  
 Total Weight: 17.37 oz/sq.yd / 589 g/sq.m

**VECTORULTRA™**

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	150 lb / 68 kg	98 yd / 90 m	45 ° :	5.90 oz/sq.yd / 200 g/sq.m
			90 ° :	5.57 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-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
Fiber	0.12	0.12
Resin	0.07	0.15
Total	0.19	0.27

### Physical Properties

	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
Density (g/cc)	1.53	1.41
Fiber Content (% by Wt.)	65%	45%
Thickness (in)	0.023	0.037

Laminate Moduli		
(MSI)	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
Ex	2.55	1.76
Ey	6.38	4.20
Gxy	3.02	2.00
Ex,flex.	1.78	1.22
Ey,flex.	4.45	2.91

Ultimate Stress		
(KSI)	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
Long. Ten.	26	18
Long. Comp.	26	18
Trans. Ten.	77	50
Trans. Comp.	49	32
In-Plane Shear	35	23
Long. Flex.	26	18
Trans. Flex.	49	32

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
(EA)x	60	64
(EA)y	149	153
(GA)xy	71	73

Ultimate In-Plane Load		
lb/in	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
Long. Ten.	597	641
Long. Comp.	597	641
Trans. Ten.	1,790	1,839
Trans. Comp.	1,144	1,175
In-Plane Shear	813	838

**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.