



C-TTX 1800

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

VECTORULTRA™

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 150 lb / 68 kg
 Roll Length: 98 yd / 90 m

Fiber Architecture Data

0 ° : n/a
 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.)	64%	45%
Thickness (in)	0.024	0.037

Laminate Modulii		
(MSI)	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
Ex	2.74	1.94
Ey	6.63	4.48
Gxy	2.98	2.01
Ex,flex.	2.60	1.84
Ey,flex.	6.30	4.25

Ultimate Stress		
(KSI)	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
Long. Ten.	27	19
Long. Comp.	27	19
Trans. Ten.	63	42
Trans. Comp.	58	39
In-Plane Shear	49	33
Long. Flex.	26	18
Trans. Flex.	61	41

In-Plane Stiffness, "EA"		
10 ³ lb/in	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
(EA)x	65	71
(EA)y	158	163
(GA)xy	71	73

Ultimate In-Plane Load		
lb/in	C-TTX 1800 Resin Infused	C-TTX 1800 Open Mold
Long. Ten.	651	707
Long. Comp.	651	707
Trans. Ten.	1,490	1,545
Trans. Comp.	1,377	1,428
In-Plane Shear	1,171	1,206

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.