



C-LT 1100

Fiber Type: Carbon
 Architecture: 0°/90° Biaxial
 Dry Thickness: 0.020 in. / 0.508 mm
 Total Weight: 11.14 oz/sq.yd / 377.8 g/sq.m

VECTORULTRA™

Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 113 lb / 51 kg
 Roll Length: 115 yd / 105 m

Fiber Architecture Data

0° : 5.57 oz/sq.yd / 188.9 g/sq.m
 45° : n/a
 90° : 5.57 oz/sq.yd / 188.9 g/sq.m
 - 45° : n/a
 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-LT 1100 Resin Infused | C-LT 1100 Open Mold |
|------------|----------------------------|------------------------|
| Fiber | 0.08 | 0.08 |
| Resin | 0.04 | 0.09 |
| Total | 0.12 | 0.17 |

Physical Properties

| | C-LT 1100 Resin Infused | C-LT 1100 Open Mold |
|--------------------------|----------------------------|------------------------|
| Density (g/cc) | 1.53 | 1.41 |
| Fiber Content (% by Wt.) | 65% | 45% |
| Thickness (in) | 0.015 | 0.023 |

| Laminate Moduli | | |
|-----------------|----------------------------|------------------------|
| (MSI) | C-LT 1100 Resin Infused | C-LT 1100 Open Mold |
| Ex | 9.10 | 6.06 |
| Ey | 9.10 | 6.06 |
| Gxy | 0.37 | 0.25 |
| Ex,flex. | 8.65 | 5.75 |
| Ey,flex. | 8.65 | 5.75 |

| Ultimate Stress | | |
|-----------------|----------------------------|------------------------|
| (KSI) | C-LT 1100 Resin Infused | C-LT 1100 Open Mold |
| Long. Ten. | 100 | 67 |
| Long. Comp. | 71 | 47 |
| Trans. Ten. | 100 | 67 |
| Trans. Comp. | 71 | 47 |
| In-Plane Shear | 7 | 5 |
| Long. Flex. | 66 | 44 |
| Trans. Flex. | 66 | 44 |

| In-Plane Stiffness, "EA" | | |
|--------------------------|----------------------------|------------------------|
| 10 ³ lb/in | C-LT 1100 Resin Infused | C-LT 1100 Open Mold |
| (EA)x | 137 | 142 |
| (EA)y | 137 | 142 |
| (GA)xy | 6 | 6 |

| Ultimate In-Plane Load | | |
|------------------------|----------------------------|------------------------|
| lb/in | C-LT 1100 Resin Infused | C-LT 1100 Open Mold |
| Long. Ten. | 1,504 | 1,564 |
| Long. Comp. | 1,067 | 1,109 |
| Trans. Ten. | 1,504 | 1,564 |
| Trans. Comp. | 1,067 | 1,109 |
| In-Plane Shear | 112 | 115 |

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.



3500 Lakewood Dr. Phenix City, AL 36867 tel. 334 291 7704 fax. 334 291

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.