



E-LTCFM 3220

Fiber Type: E-Glass
 Architecture: 0/90 Biaxial
 Dry Thickness: 0.094 in. / 2.39 mm
 Total Weight: 49.36 oz/sq.yd / 1674 g/sq.m

VECTORFUSION[™]
 INFUSION-SPECIFIC REINFORCEMENTS

| Roll Specifications | | | Fiber Architecture Data | |
|---------------------|----------------|--------------|---------------------------|-----------------------------|
| Roll Width: | Roll Weight: | Roll Length: | 0 ° : | 17.92 oz/sq.yd / 608 g/sq.m |
| 50 in / 1270 mm | 152 lb / 69 kg | 35 yd / 32 m | 45 ° : | n/a |
| | | | 90 ° : | 13.44 oz/sq.yd / 456 g/sq.m |
| | | | -45 ° : | n/a |
| | | | Continuous Filament Mat : | 18.00 oz/sq.yd / 610 g/sq.m |

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

| Laminate Weight (lb/sq.ft) | E-LTCFM 3220 Resin Infused |
|-------------------------------|-------------------------------|
| Fiber | 0.34 |
| Resin | 0.34 |
| Total | 0.69 |

| In-Plane Stiffness, "EA" | E-LTCFM 3220 Resin Infused |
|--------------------------|-------------------------------|
| 10 ³ lb/in | |
| (EA) _x | 184 |
| (EA) _y | 167 |
| (GA) _{xy} | 40 |

| Physical Properties | |
|--------------------------|-------------------------------|
| | E-LTCFM 3220 Resin Infused |
| Density (g/cc) | 1.63 |
| Fiber Content (% by Wt.) | 50% |
| Thickness (in) | 0.081 |

| Ultimate Stress (KSI) | |
|--------------------------|-------------------------------|
| | E-LTCFM 3220 Resin Infused |
| Long. Ten. | 37 |
| Long. Comp. | 43 |
| Trans. Ten. | 34 |
| Trans. Comp. | 39 |
| In-Plane Shear | 11 |
| Long. Flex. | 51 |
| Trans. Flex. | 47 |

Notes:

1: Laminate made with poly / vinyl ester resin blend.

| Ultimate In-Plane Load lb/in | |
|---------------------------------|-------------------------------|
| | E-LTCFM 3220 Resin Infused |
| Long. Ten. | 3,013 |
| Long. Comp. | 3,479 |
| Trans. Ten. | 2,745 |
| Trans. Comp. | 3,169 |
| In-Plane Shear | 921 |

| Laminate Moduli (MSI) | |
|--------------------------|-------------------------------|
| | E-LTCFM 3220 Resin Infused |
| Ex | 2.27 |
| Ey | 2.07 |
| Gxy | 0.50 |
| Ex,flex. | 2.16 |
| Ey,flex. | 1.96 |



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REV: 5/3/2011

Disclaimer:

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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.