



## E-BXM 1715-6VC

Fiber Type: Polyester  
 Architecture: +/-45 Double Bias With Core  
 Dry Thickness: 0.114 in. / 2.90 mm  
 Total Weight: 36.95 oz/sq.yd / 1253 g/sq.m

**VECTORFUSION**  
INFUSION-SPECIFIC REINFORCEMENTS

| Roll Specifications |               |              | Fiber Architecture Data |                             |
|---------------------|---------------|--------------|-------------------------|-----------------------------|
| Roll Width:         | Roll Weight:  | Roll Length: | 0 ° :                   | n/a                         |
| 50 in / 1270 mm     | 97 lb / 44 kg | 30 yd / 27 m | 45 ° :                  | 9.07 oz/sq.yd / 308 g/sq.m  |
|                     |               |              | -45 ° :                 | 9.07 oz/sq.yd / 308 g/sq.m  |
|                     |               |              | Polypropylene Core :    | 5.31 oz/sq.yd / 180 g/sq.m  |
|                     |               |              | Chopped Mat :           | 13.50 oz/sq.yd / 458 g/sq.m |

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

### Laminated Properties

45 °

45 °

| Laminate Weight<br>(lb/sq.ft) | E-BXM 1715-6VC<br>Resin Infused |
|-------------------------------|---------------------------------|
| Fiber                         | 0.26                            |
| Resin                         | 0.32                            |
| Total                         | 0.58                            |

| In-Plane Stiffness, "EA" | E-BXM 1715-6VC<br>Resin Infused |
|--------------------------|---------------------------------|
| 10 <sup>3</sup> lb/in    |                                 |
| (EA)x                    | 124                             |
| (EA)y                    | 124                             |
| (GA)xy                   | 32                              |

| Physical Properties      |                                 |
|--------------------------|---------------------------------|
|                          | E-BXM 1715-6VC<br>Resin Infused |
| Density (g/cc)           | 1.52                            |
| Fiber Content (% by Wt.) | 44%                             |
| Thickness (in)           | 0.074                           |

| Ultimate Stress |                                 |
|-----------------|---------------------------------|
| (KSI)           | E-BXM 1715-6VC<br>Resin Infused |
| Long. Ten.      | 28                              |
| Long. Comp.     | 38                              |
| Trans. Ten.     | 28                              |
| Trans. Comp.    | 38                              |
| In-Plane Shear  | 10                              |
| Long. Flex.     | 40                              |
| Trans. Flex.    | 40                              |

**Notes:**

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

| Ultimate In-Plane Load |                                 |
|------------------------|---------------------------------|
| lb/in                  | E-BXM 1715-6VC<br>Resin Infused |
| Long. Ten.             | 2,033                           |
| Long. Comp.            | 2,826                           |
| Trans. Ten.            | 2,033                           |
| Trans. Comp.           | 2,826                           |
| In-Plane Shear         | 735                             |

| Laminate Moduli |                                 |
|-----------------|---------------------------------|
| (MSI)           | E-BXM 1715-6VC<br>Resin Infused |
| Ex              | 1.68                            |
| Ey              | 1.68                            |
| Gxy             | 0.44                            |
| Ex,flex.        | 1.60                            |
| Ey,flex.        | 1.60                            |



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Disclaimer:

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