



## E-M 0030

Fiber Type: E-Glass  
 Architecture: Random  
 Dry Thickness: 0.046 in. / 1.17 mm  
 Total Weight: 27.00 oz/sq.yd / 915 g/sq.m



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	139 lb / 63 kg	58 yd / 53 m	45 ° :	n/a
			90 ° :	n/a
			- 45 ° :	n/a
			Chopped Mat :	27.00 oz/sq.yd / 915 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-M 0030 Resin Infused	E-M 0030 Open Mold
Fiber	0.19	0.19
Resin	0.10	0.53
Total	0.29	0.72

### Physical Properties

	E-M 0030 Resin Infused	E-M 0030 Open Mold
Density (g/cc)	1.84	1.39
Fiber Content (% by Wt.)	66%	26%
Thickness (in)	0.030	0.099

Laminate Moduli		
(MSI)	E-M 0030 Resin Infused	E-M 0030 Open Mold
Ex	1.67	0.83
Ey	1.67	0.83
Gxy	0.62	0.30
Ex,flex.	1.38	0.67
Ey,flex.	1.38	0.67

Ultimate Stress		
(KSI)	E-M 0030 Resin Infused	E-M 0030 Open Mold
Long. Ten.	27	14
Long. Comp.	38	19
Trans. Ten.	27	14
Trans. Comp.	38	19
In-Plane Shear	15	10
Long. Flex.	43	21
Trans. Flex.	43	21

In-Plane Stiffness, "EA"		
10 <sup>3</sup> lb/in	E-M 0030 Resin Infused	E-M 0030 Open Mold
(EA)x	50	82
(EA)y	50	82
(GA)xy	18	30

Ultimate In-Plane Load		
lb/in	E-M 0030 Resin Infused	E-M 0030 Open Mold
Long. Ten.	817	1,339
Long. Comp.	1,136	1,861
Trans. Ten.	817	1,339
Trans. Comp.	1,136	1,861
In-Plane Shear	452	970

**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:

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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.