



E-M 0010

Fiber Type: E-Glass
 Architecture: Random
 Dry Thickness: 0.027 in. / 0.69 mm
 Total Weight: 9.00 oz/sq.yd / 305 g/sq.m



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	130 lb / 59 kg	157 yd / 144 m	45 ° :	n/a
			90 ° :	n/a
			- 45 ° :	n/a
			Chopped Mat :	9.00 oz/sq.yd / 305 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 0010 Resin Infused	E-M 0010 Open Mold
Fiber	0.06	0.06
Resin	0.03	0.18
Total	0.10	0.24

Physical Properties

	E-M 0010 Resin Infused	E-M 0010 Open Mold
Density (g/cc)	1.84	1.39
Fiber Content (% by Wt.)	66%	26%
Thickness (in)	0.010	0.033

Laminate Moduli		
(MSI)	E-M 0010 Resin Infused	E-M 0010 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 0010 Resin Infused	E-M 0010 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 ^{^3} lb/in	E-M 0010 Resin Infused	E-M 0010 Open Mold
(EA)x	17	27
(EA)y	17	27
(GA)xy	6	10

Ultimate In-Plane Load		
lb/in	E-M 0010 Resin Infused	E-M 0010 Open Mold
Long. Ten.	272	446
Long. Comp.	379	620
Trans. Ten.	272	446
Trans. Comp.	379	620
In-Plane Shear	151	323

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.