



E-M 0020

Fiber Type: E-Glass
 Architecture: Random
 Dry Thickness: 0.038 in. / 0.97 mm
 Total Weight: 18.00 oz/sq.yd / 610 g/sq.m



Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	136 lb / 62 kg	84 yd / 77 m	45 ° :	n/a
			90 ° :	n/a
			- 45 ° :	n/a
			Chopped 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-M 0020 Resin Infused	E-M 0020 Open Mold
Fiber	0.13	0.13
Resin	0.07	0.35
Total	0.19	0.48

Physical Properties

	E-M 0020 Resin Infused	E-M 0020 Open Mold
Density (g/cc)	1.84	1.39
Fiber Content (% by Wt.)	66%	26%
Thickness (in)	0.020	0.066

Laminate Moduli		
(MSI)	E-M 0020 Resin Infused	E-M 0020 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 0020 Resin Infused	E-M 0020 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 0020 Resin Infused	E-M 0020 Open Mold
(EA)x	33	54
(EA)y	33	54
(GA)xy	12	20

Ultimate In-Plane Load		
lb/in	E-M 0020 Resin Infused	E-M 0020 Open Mold
Long. Ten.	545	893
Long. Comp.	758	1,241
Trans. Ten.	545	893
Trans. Comp.	758	1,241
In-Plane Shear	301	646

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:

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.