



E-TTXM 4008

Fiber Type: E-Glass
 Architecture: 45/90/-45 Weft Triaxial
 Dry Thickness: 0.064 in. / 1.63 mm
 Total Weight: 46.85 oz/sq.yd / 1589 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	n/a
50 in / 1270 mm	224 lb / 102 kg	54 yd / 49 m	45 ° :	11.95 oz/sq.yd / 405 g/sq.m
			90 ° :	16.20 oz/sq.yd / 549 g/sq.m
			-45 ° :	11.95 oz/sq.yd / 405 g/sq.m
			Chopped Mat :	6.75 oz/sq.yd / 229 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-TTXM 4008 Resin Infused	E-TTXM 4008 Open Mold
Fiber	0.33	0.33
Resin	0.15	0.32
Total	0.47	0.64

Physical Properties		
	E-TTXM 4008 Resin Infused	E-TTXM 4008 Open Mold
Density (g/cc)	1.88	1.64
Fiber Content (% by Wt.)	69%	51%
Thickness (in)	0.048	0.076

Laminate Modulii		
(MSI)	E-TTXM 4008 Resin Infused	E-TTXM 4008 Open Mold
Ex	2.18	1.48
Ey	3.28	2.23
Gxy	1.20	0.81
Ex,flex.	2.07	1.41
Ey,flex.	3.11	2.12

Ultimate Stress		
(KSI)	E-TTXM 4008 Resin Infused	E-TTXM 4008 Open Mold
Long. Ten.	22	15
Long. Comp.	22	15
Trans. Ten.	54	37
Trans. Comp.	62	42
In-Plane Shear	23	15
Long. Flex.	21	14
Trans. Flex.	74	50

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-TTXM 4008 Resin Infused	E-TTXM 4008 Open Mold
(EA)x	105	112
(EA)y	158	169
(GA)xy	58	61

Ultimate In-Plane Load		
lb/in	E-TTXM 4008 Resin Infused	E-TTXM 4008 Open Mold
Long. Ten.	1,050	1,120
Long. Comp.	1,050	1,120
Trans. Ten.	2,589	2,770
Trans. Comp.	2,989	3,198
In-Plane Shear	1,091	1,159

Notes:

- 1: Resin infused laminate made with a poly / vinyl ester resin blend.
- 2: Open mold laminate made with poly / vinyl ester resin blend.
- 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.