



## E-QXM 5608

Fiber Type: E-Glass  
 Architecture: 0°/+45°/90°/-45° Quadaxial  
 Dry Thickness: 0.076 in. / 1.93 mm  
 Total Weight: 64.30 oz/sq.yd / 2180 g/sq.m



### Roll Specifications

Roll Width: 50 in / 1270 mm  
 Roll Weight: 187 lb / 85 kg  
 Roll Length: 33 yd / 30 m

### Fiber Architecture Data

0 ° : 12.80 oz/sq.yd / 434 g/sq.m  
 45 ° : 14.34 oz/sq.yd / 486 g/sq.m  
 90 ° : 14.72 oz/sq.yd / 499 g/sq.m  
 - 45 ° : 14.34 oz/sq.yd / 486 g/sq.m  
 Chopped Mat : 8.10 oz/sq.yd / 275 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-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Fiber	0.45	0.45
Resin	0.23	0.41
Total	0.68	0.86

### Physical Properties

	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Density (g/cc)	1.84	1.65
Fiber Content (% by Wt.)	66%	52%
Thickness (in)	0.071	0.100

Laminate Moduli		
(MSI)	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Ex	2.51	1.83
Ey	2.59	1.89
Gxy	0.96	0.69
Ex,flex.	2.07	1.50
Ey,flex.	2.14	1.55

Ultimate Stress		
(KSI)	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Long. Ten.	41	30
Long. Comp.	48	35
Trans. Ten.	43	31
Trans. Comp.	49	36
In-Plane Shear	24	20
Long. Flex.	60	43
Trans. Flex.	62	45

In-Plane Stiffness, "EA"		
10 <sup>^3</sup> lb/in	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
(EA)x	178	183
(EA)y	183	189
(GA)xy	68	69

Ultimate In-Plane Load		
lb/in	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Long. Ten.	2,911	2,995
Long. Comp.	3,361	3,458
Trans. Ten.	3,009	3,102
Trans. Comp.	3,474	3,581
In-Plane Shear	1,664	1,971

**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.