



E-QXM 5608

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

LABORSAVER™



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	0.22	0.43
Total	0.66	0.88

Physical Properties

	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Density (g/cc)	1.86	1.64
Fiber Content (% by Wt.)	67%	51%
Thickness (in)	0.069	0.102

Laminate Modulii		
(MSI)	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Ex	2.75	1.95
Ey	2.84	2.02
Gxy	1.09	0.77
Ex,flex.	2.61	1.86
Ey,flex.	2.70	1.92

Ultimate Stress		
(KSI)	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Long. Ten.	45	32
Long. Comp.	52	37
Trans. Ten.	47	33
Trans. Comp.	54	38
In-Plane Shear	21	15
Long. Flex.	62	44
Trans. Flex.	64	46

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
(EA)x	188	200
(EA)y	195	207
(GA)xy	74	79

Ultimate In-Plane Load		
lb/in	E-QXM 5608 Resin Infused	E-QXM 5608 Open Mold
Long. Ten.	3,086	3,281
Long. Comp.	3,563	3,788
Trans. Ten.	3,193	3,395
Trans. Comp.	3,686	3,919
In-Plane Shear	1,409	1,494

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.