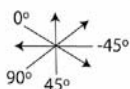


E-QXM 4808

Fiber Type: E-Glass
 Architecture: 0°/+45°/90°/-45° Quadaxial
 Dry Thickness: 0.072 in. / 1.83 mm
 Total Weight: 56.32 oz/sq.yd / 1910 g/sq.m



Roll Specifications

Roll Width: 50 in / 1270 mm
 Roll Weight: 199 lb / 90 kg
 Roll Length: 40 yd / 37 m

Fiber Architecture Data

0 ° : 12.80 oz/sq.yd / 434 g/sq.m
 45 ° : 11.95 oz/sq.yd / 405 g/sq.m
 90 ° : 11.52 oz/sq.yd / 391 g/sq.m
 - 45 ° : 11.95 oz/sq.yd / 405 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 4808 Resin Infused	E-QXM 4808 Open Mold
Fiber	0.39	0.39
Resin	0.22	0.37
Total	0.61	0.76

Physical Properties

	E-QXM 4808 Resin Infused	E-QXM 4808 Open Mold
Density (g/cc)	1.81	1.65
Fiber Content (% by Wt.)	64%	51%
Thickness (in)	0.065	0.089

Laminate Moduli		
(MSI)	E-QXM 4808 Resin Infused	E-QXM 4808 Open Mold
Ex	2.60	1.97
Ey	2.54	1.92
Gxy	0.94	0.71
Ex,flex.	2.15	1.62
Ey,flex.	2.10	1.58

Ultimate Stress		
(KSI)	E-QXM 4808 Resin Infused	E-QXM 4808 Open Mold
Long. Ten.	48	36
Long. Comp.	49	37
Trans. Ten.	47	35
Trans. Comp.	48	36
In-Plane Shear	26	20
Long. Flex.	62	47
Trans. Flex.	60	46

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-QXM 4808 Resin Infused	E-QXM 4808 Open Mold
(EA)x	169	174
(EA)y	165	170
(GA)xy	61	63

Ultimate In-Plane Load		
lb/in	E-QXM 4808 Resin Infused	E-QXM 4808 Open Mold
Long. Ten.	3,122	3,216
Long. Comp.	3,204	3,300
Trans. Ten.	3,048	3,135
Trans. Comp.	3,128	3,218
In-Plane Shear	1,687	1,730

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.