



## E-QXM 4808

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

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 40 lb / 18 kg	Roll Length: 199 yd / 182 m	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				
	E-QXM 4808 Resin Infused		E-QXM 4808 Open Mold	
Fiber	0.39 lb/sq.ft	1.91 kg/sq.m	0.39 lb/sq.ft	1.91 kg/sq.m
Resin	0.17 lb/sq.ft	0.84 kg/sq.m	0.34 lb/sq.ft	1.68 kg/sq.m
Total	0.56 lb/sq.ft	2.75 kg/sq.m	0.74 lb/sq.ft	3.59 kg/sq.m

Physical Properties				
	E-QXM 4808 Resin Infused		E-QXM 4808 Open Mold	
Density	1.04 oz/cu.in	1.80 g/cc	0.90 oz/cu.in	1.55 g/cc
Fiber Content	70% by Wt.	49% by Vol.	53% by Wt.	33% by Vol.
Thickness	0.060 in	1.5 mm	0.091 in	2.3 mm

**Laminate Moduli**

	E-QXM 4808 Resin Infused		E-QXM 4808 Open Mold	
	Ex	2.53 MSI	17.41 GPa	1.75 MSI
Ey	2.45 MSI	16.87 GPa	1.70 MSI	11.70 GPa
Gxy	0.93 MSI	6.43 GPa	0.64 MSI	4.44 GPa
Ex,flex.	2.40 MSI	16.54 GPa	1.66 MSI	11.47 GPa
Ey,flex.	2.32 MSI	16.02 GPa	1.61 MSI	11.11 GPa

**Ultimate Stress**

	E-QXM 4808 Resin Infused		E-QXM 4808 Open Mold	
	Long. Ten.	41.4 KSI	285.6 MPa	28.7 KSI
Long. Comp.	47.8 KSI	329.7 MPa	33.2 KSI	228.6 MPa
Trans. Ten.	40.1 KSI	276.6 MPa	27.8 KSI	191.8 MPa
Trans. Comp.	46.3 KSI	319.3 MPa	32.1 KSI	221.4 MPa
In-Plane Shear	17.6 KSI	121.7 MPa	12.2 KSI	84.1 MPa
Long. Flex.	57.1 KSI	393.5 MPa	39.6 KSI	272.9 MPa
Trans. Flex.	55.3 KSI	381.1 MPa	38.3 KSI	264.3 MPa

**In-Plane Stiffness, "EA"**

	E-QXM 4808 Resin Infused		E-QXM 4808 Open Mold	
	(EA)x	151,885 lb/in	26,598 N/mm	159,347 lb/in
(EA)y	147,124 lb/in	25,764 N/mm	154,362 lb/in	27,032 N/mm
(GA)xy	56,065 lb/in	9,818 N/mm	58,635 lb/in	10,268 N/mm

**Ultimate In-Plane Load**

	E-QXM 4808 Resin Infused		E-QXM 4808 Open Mold	
	Long. Ten.	2,491 lb/in	436 N/mm	2,613 lb/in
Long. Comp.	2,875 lb/in	504 N/mm	3,017 lb/in	528 N/mm
Trans. Ten.	2,413 lb/in	423 N/mm	2,532 lb/in	443 N/mm
Trans. Comp.	2,785 lb/in	488 N/mm	2,922 lb/in	512 N/mm
In-Plane Shear	1,061 lb/in	186 N/mm	1,110 lb/in	194 N/mm

**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.
- 4: All properties are given assuming a symmetric or quasisymmetric laminate schedule.



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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.