



## E-QXM 2608

Fiber Type: E-Glass  
 Architecture: 0/45/90/-45 Quadraxial  
 Dry Thickness: 0.049 in. / 1.24 mm  
 Total Weight: 33.28 oz/sq.yd / 1128 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 193 lb / 88 kg	Roll Length: 65 yd / 59 m	0 ° :	6.40 oz/sq.yd / 217 g/sq.m
			45 ° :	6.27 oz/sq.yd / 213 g/sq.m
			90 ° :	6.24 oz/sq.yd / 212 g/sq.m
			-45 ° :	6.27 oz/sq.yd / 213 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 2608 Resin Infused		E-QXM 2608 Open Mold	
Fiber	0.23 lb/sq.ft	1.13 kg/sq.m	0.23 lb/sq.ft	1.13 kg/sq.m
Resin	0.12 lb/sq.ft	0.56 kg/sq.m	0.25 lb/sq.ft	1.23 kg/sq.m
Total	0.35 lb/sq.ft	1.69 kg/sq.m	0.48 lb/sq.ft	2.36 kg/sq.m

Physical Properties				
	E-QXM 2608 Resin Infused		E-QXM 2608 Open Mold	
Density	1.07 oz/cu.in	1.85 g/cc	0.93 oz/cu.in	1.60 g/cc
Fiber Content	67% by Wt.	49% by Vol.	48% by Wt.	30% by Vol.
Thickness	0.036 in	0.9 mm	0.058 in	1.5 mm

**Laminate Moduli**

	E-QXM 2608 Resin Infused		E-QXM 2608 Open Mold	
	Ex	2.67 MSI	18.39 GPa	1.81 MSI
Ey	2.65 MSI	18.29 GPa	1.80 MSI	12.43 GPa
Gxy	1.02 MSI	7.02 GPa	0.69 MSI	4.76 GPa
Ex,flex.	2.53 MSI	17.47 GPa	1.72 MSI	11.87 GPa
Ey,flex.	2.52 MSI	17.37 GPa	1.71 MSI	11.81 GPa

**Ultimate Stress**

	E-QXM 2608 Resin Infused		E-QXM 2608 Open Mold	
	Long. Ten.	43.7 KSI	301.6 MPa	29.7 KSI
Long. Comp.	50.5 KSI	348.2 MPa	34.3 KSI	236.6 MPa
Trans. Ten.	43.5 KSI	299.9 MPa	29.6 KSI	203.8 MPa
Trans. Comp.	50.2 KSI	346.2 MPa	34.1 KSI	235.3 MPa
In-Plane Shear	19.3 KSI	132.9 MPa	13.1 KSI	90.1 MPa
Long. Flex.	60.3 KSI	415.6 MPa	41.0 KSI	282.4 MPa
Trans. Flex.	59.9 KSI	413.2 MPa	40.7 KSI	280.8 MPa

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

	E-QXM 2608 Resin Infused		E-QXM 2608 Open Mold	
	(EA)x	95,935 lb/in	16,800 N/mm	104,953 lb/in
(EA)y	95,389 lb/in	16,704 N/mm	104,372 lb/in	18,277 N/mm
(GA)xy	36,619 lb/in	6,413 N/mm	39,990 lb/in	7,003 N/mm

**Ultimate In-Plane Load**

	E-QXM 2608 Resin Infused		E-QXM 2608 Open Mold	
	Long. Ten.	1,573 lb/in	276 N/mm	1,721 lb/in
Long. Comp.	1,816 lb/in	318 N/mm	1,987 lb/in	348 N/mm
Trans. Ten.	1,564 lb/in	274 N/mm	1,712 lb/in	300 N/mm
Trans. Comp.	1,806 lb/in	316 N/mm	1,976 lb/in	346 N/mm
In-Plane Shear	693 lb/in	121 N/mm	757 lb/in	133 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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REV: 6/17/2015

**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.