



E-TLXM 3408

Fiber Type: E-Glass
 Architecture: 0/45/-45 Warp Triaxial
 Dry Thickness: 0.061 in. / 1.55 mm
 Total Weight: 42.40 oz/sq.yd / 1438 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 223 lb / 101 kg	Roll Length: 60 yd / 55 m	0 ° :	12.80 oz/sq.yd / 434 g/sq.m
			45 ° :	10.75 oz/sq.yd / 364 g/sq.m
			90 ° :	n/a
			-45 ° :	10.75 oz/sq.yd / 364 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-TLXM 3408 Resin Infused		E-TLXM 3408 Open Mold	
Fiber	0.29 lb/sq.ft	1.44 kg/sq.m	0.29 lb/sq.ft	1.44 kg/sq.m
Resin	0.14 lb/sq.ft	0.66 kg/sq.m	0.30 lb/sq.ft	1.48 kg/sq.m
Total	0.43 lb/sq.ft	2.10 kg/sq.m	0.60 lb/sq.ft	2.92 kg/sq.m

Physical Properties				
	E-TLXM 3408 Resin Infused		E-TLXM 3408 Open Mold	
Density	1.09 oz/cu.in	1.88 g/cc	0.94 oz/cu.in	1.62 g/cc
Fiber Content	69% by Wt.	51% by Vol.	49% by Wt.	31% by Vol.
Thickness	0.044 in	1.1 mm	0.071 in	1.8 mm

Laminate Moduli

	E-TLXM 3408 Resin Infused		E-TLXM 3408 Open Mold	
	Ex	3.22 MSI	22.17 GPa	2.14 MSI
Ey	2.13 MSI	14.69 GPa	1.43 MSI	9.87 GPa
Gxy	1.21 MSI	8.36 GPa	0.80 MSI	5.53 GPa
Ex,flex.	3.06 MSI	21.07 GPa	2.03 MSI	13.99 GPa
Ey,flex.	2.02 MSI	13.96 GPa	1.36 MSI	9.38 GPa

Ultimate Stress

	E-TLXM 3408 Resin Infused		E-TLXM 3408 Open Mold	
	Long. Ten.	52.7 KSI	363.7 MPa	35.0 KSI
Long. Comp.	60.9 KSI	419.8 MPa	40.4 KSI	278.9 MPa
Trans. Ten.	21.3 KSI	146.9 MPa	14.3 KSI	98.7 MPa
Trans. Comp.	21.3 KSI	146.9 MPa	14.3 KSI	98.7 MPa
In-Plane Shear	22.9 KSI	158.2 MPa	15.2 KSI	104.7 MPa
Long. Flex.	72.7 KSI	501.1 MPa	48.3 KSI	332.8 MPa
Trans. Flex.	20.2 KSI	139.6 MPa	13.6 KSI	93.8 MPa

In-Plane Stiffness, "EA"

	E-TLXM 3408 Resin Infused		E-TLXM 3408 Open Mold	
	(EA)x	141,304 lb/in	24,745 N/mm	151,686 lb/in
(EA)y	93,617 lb/in	16,394 N/mm	101,674 lb/in	17,805 N/mm
(GA)xy	53,247 lb/in	9,324 N/mm	56,963 lb/in	9,975 N/mm

Ultimate In-Plane Load

	E-TLXM 3408 Resin Infused		E-TLXM 3408 Open Mold	
	Long. Ten.	2,317 lb/in	406 N/mm	2,488 lb/in
Long. Comp.	2,675 lb/in	468 N/mm	2,872 lb/in	503 N/mm
Trans. Ten.	936 lb/in	164 N/mm	1,017 lb/in	178 N/mm
Trans. Comp.	936 lb/in	164 N/mm	1,017 lb/in	178 N/mm
In-Plane Shear	1,008 lb/in	177 N/mm	1,078 lb/in	189 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.