



E-TLXM 3308

Fiber Type: E-Glass
 Architecture: 0/45/-45 Warp Triaxial
 Dry Thickness: 0.061 in. / 1.55 mm
 Total Weight: 41.38 oz/sq.yd / 1403 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 203 lb / 92 kg	Roll Length: 54 yd / 49 m	0 ° :	15.36 oz/sq.yd / 521 g/sq.m
			45 ° :	8.96 oz/sq.yd / 304 g/sq.m
			90 ° :	n/a
			-45 ° :	8.96 oz/sq.yd / 304 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 3308 Resin Infused		E-TLXM 3308 Open Mold	
Fiber	0.29 lb/sq.ft	1.40 kg/sq.m	0.29 lb/sq.ft	1.40 kg/sq.m
Resin	0.13 lb/sq.ft	0.64 kg/sq.m	0.30 lb/sq.ft	1.46 kg/sq.m
Total	0.42 lb/sq.ft	2.05 kg/sq.m	0.59 lb/sq.ft	2.86 kg/sq.m

Physical Properties				
	E-TLXM 3308 Resin Infused		E-TLXM 3308 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	0.043 in	1.1 mm	0.070 in	1.8 mm

Laminate Moduli

	E-TLXM 3308 Resin Infused		E-TLXM 3308 Open Mold	
	Ex	3.44 MSI	23.70 GPa	2.28 MSI
Ey	2.08 MSI	14.37 GPa	1.40 MSI	9.68 GPa
Gxy	1.15 MSI	7.92 GPa	0.76 MSI	5.23 GPa
Ex,flex.	3.27 MSI	22.52 GPa	2.17 MSI	14.93 GPa
Ey,flex.	1.98 MSI	13.66 GPa	1.33 MSI	9.19 GPa

Ultimate Stress

	E-TLXM 3308 Resin Infused		E-TLXM 3308 Open Mold	
	Long. Ten.	56.4 KSI	388.8 MPa	37.4 KSI
Long. Comp.	65.1 KSI	448.8 MPa	43.2 KSI	297.6 MPa
Trans. Ten.	20.8 KSI	143.7 MPa	14.0 KSI	96.8 MPa
Trans. Comp.	20.8 KSI	143.7 MPa	14.0 KSI	96.8 MPa
In-Plane Shear	21.8 KSI	150.0 MPa	14.4 KSI	99.1 MPa
Long. Flex.	77.7 KSI	535.7 MPa	51.5 KSI	355.2 MPa
Trans. Flex.	19.8 KSI	136.6 MPa	13.3 KSI	91.9 MPa

In-Plane Stiffness, "EA"

	E-TLXM 3308 Resin Infused		E-TLXM 3308 Open Mold	
	(EA)x	147,537 lb/in	25,836 N/mm	158,538 lb/in
(EA)y	89,467 lb/in	15,667 N/mm	97,582 lb/in	17,088 N/mm
(GA)xy	49,320 lb/in	8,637 N/mm	52,787 lb/in	9,244 N/mm

Ultimate In-Plane Load

	E-TLXM 3308 Resin Infused		E-TLXM 3308 Open Mold	
	Long. Ten.	2,420 lb/in	424 N/mm	2,600 lb/in
Long. Comp.	2,793 lb/in	489 N/mm	3,001 lb/in	526 N/mm
Trans. Ten.	895 lb/in	157 N/mm	976 lb/in	171 N/mm
Trans. Comp.	895 lb/in	157 N/mm	976 lb/in	171 N/mm
In-Plane Shear	934 lb/in	164 N/mm	999 lb/in	175 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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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.