



E-TLXM 5508

Fiber Type: E-Glass
 Architecture: 0/45/-45 Warp Triaxial
 Dry Thickness: 0.080 in. / 2.03 mm
 Total Weight: 62.68 oz/sq.yd / 2125 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	27.70 oz/sq.yd / 939 g/sq.m
50 in / 1270 mm	230 lb / 105 kg	42 yd / 38 m	45 ° :	13.44 oz/sq.yd / 456 g/sq.m
			90 ° :	n/a
			-45 ° :	13.44 oz/sq.yd / 456 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-TLXM 5508 Resin Infused	E-TLXM 5508 Open Mold
Fiber	0.44	0.44
Resin	0.20	0.42
Total	0.63	0.85

Physical Properties

	E-TLXM 5508 Resin Infused	E-TLXM 5508 Open Mold
Density (g/cc)	1.89	1.64
Fiber Content (% by Wt.)	69%	51%
Thickness (in)	0.064	0.100

Laminate Modulii		
(MSI)	E-TLXM 5508 Resin Infused	E-TLXM 5508 Open Mold
Ex	3.73	2.54
Ey	2.09	1.43
Gxy	1.16	0.78
Ex,flex.	3.54	2.41
Ey,flex.	1.98	1.36

Ultimate Stress		
(KSI)	E-TLXM 5508 Resin Infused	E-TLXM 5508 Open Mold
Long. Ten.	61	42
Long. Comp.	71	48
Trans. Ten.	21	14
Trans. Comp.	21	14
In-Plane Shear	22	15
Long. Flex.	84	57
Trans. Flex.	20	14

In-Plane Stiffness, "EA"		
10 ³ lb/in	E-TLXM 5508 Resin Infused	E-TLXM 5508 Open Mold
(EA)x	239	254
(EA)y	134	143
(GA)xy	74	78

Ultimate In-Plane Load		
lb/in	E-TLXM 5508 Resin Infused	E-TLXM 5508 Open Mold
Long. Ten.	3,927	4,165
Long. Comp.	4,534	4,808
Trans. Ten.	1,342	1,434
Trans. Comp.	1,342	1,434
In-Plane Shear	1,408	1,482

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.



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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.