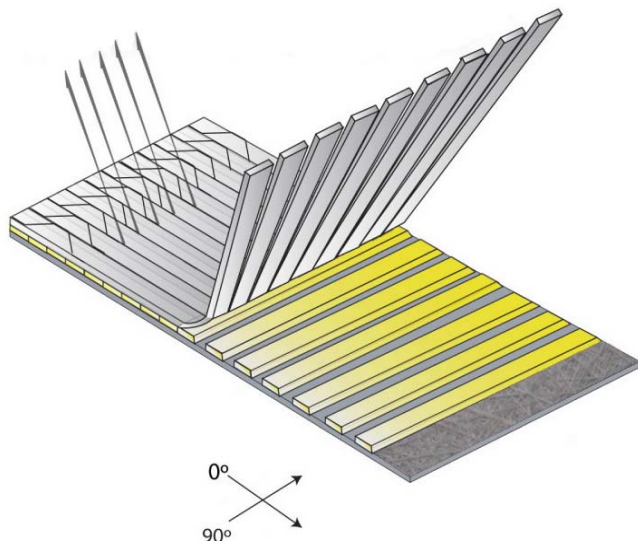




E-LTTR 2435

Fiber Type: E-Glass
 Architecture: 0/90 Biaxial
 Dry Thickness: 0.042 in. / 1.07 mm
 Total Weight: 27.24 oz/sq.yd / 924 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width:	Roll Weight:	Roll Length:	0 ° :	12.22 oz/sq.yd / 414 g/sq.m
50 in / 1270 mm	150 lb / 68 kg	62 yd / 57 m	45 ° :	n/a
			90 ° :	11.52 oz/sq.yd / 391 g/sq.m
			-45 ° :	n/a
			Polyester Nonwoven Mat :	3.50 oz/sq.yd / 119 g/sq.m

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight				
	E-LTTR 2435 Resin Infused		E-LTTR 2435 Open Mold	
Fiber	0.22 lb/sq.ft	1.08 kg/sq.m	0.22 lb/sq.ft	1.08 kg/sq.m
Resin	0.11 lb/sq.ft	0.53 kg/sq.m	0.24 lb/sq.ft	1.19 kg/sq.m
Total	0.33 lb/sq.ft	1.61 kg/sq.m	0.47 lb/sq.ft	2.27 kg/sq.m

Physical Properties				
	E-LTTR 2435 Resin Infused		E-LTTR 2435 Open Mold	
Density	1.07 oz/cu.in	1.86 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	0.034 in	0.9 mm	0.056 in	1.4 mm

Laminate Modulii

E-LTTR 2435 Resin Infused			E-LTTR 2435 Open Mold	
Ex	2.91 MSI	20.06 GPa	1.95 MSI	13.46 GPa
Ey	2.85 MSI	19.67 GPa	1.91 MSI	13.20 GPa
Gxy	0.65 MSI	4.51 GPa	0.45 MSI	3.09 GPa
Ex,flex.	2.76 MSI	19.06 GPa	1.85 MSI	12.78 GPa
Ey,flex.	2.71 MSI	18.68 GPa	1.82 MSI	12.54 GPa

Ultimate Stress

E-LTTR 2435 Resin Infused			E-LTTR 2435 Open Mold	
Long. Ten.	42.8 KSI	295.0 MPa	28.7 KSI	197.9 MPa
Long. Comp.	53.0 KSI	365.8 MPa	35.6 KSI	245.4 MPa
Trans. Ten.	41.9 KSI	289.2 MPa	28.1 KSI	194.1 MPa
Trans. Comp.	57.0 KSI	393.3 MPa	38.3 KSI	263.9 MPa
In-Plane Shear	14.9 KSI	102.9 MPa	10.2 KSI	70.5 MPa
Long. Flex.	55.3 KSI	381.1 MPa	37.1 KSI	255.7 MPa
Trans. Flex.	57.4 KSI	395.7 MPa	38.5 KSI	265.5 MPa

In-Plane Stiffness, "EA"

E-LTTR 2435 Resin Infused			E-LTTR 2435 Open Mold	
(EA)x	99,096 lb/in	17,353 N/mm	108,980 lb/in	19,084 N/mm
(EA)y	97,164 lb/in	17,015 N/mm	106,877 lb/in	18,716 N/mm
(GA)xy	22,300 lb/in	3,905 N/mm	25,034 lb/in	4,384 N/mm

Ultimate In-Plane Load

E-LTTR 2435 Resin Infused			E-LTTR 2435 Open Mold	
Long. Ten.	1,457 lb/in	255 N/mm	1,603 lb/in	281 N/mm
Long. Comp.	1,807 lb/in	316 N/mm	1,987 lb/in	348 N/mm
Trans. Ten.	1,429 lb/in	250 N/mm	1,572 lb/in	275 N/mm
Trans. Comp.	1,943 lb/in	340 N/mm	2,138 lb/in	374 N/mm
In-Plane Shear	508 lb/in	89 N/mm	571 lb/in	100 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: 9/23/2015

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.