



E-TLY 3600

Fiber Type: E-Glass
 Architecture: 0/60/-60 Warp Triaxial
 Dry Thickness: 0.046 in. / 1.17 mm
 Total Weight: 36.44 oz/sq.yd / 1236 g/sq.m

Roll Specifications			Fiber Architecture Data	
Roll Width: 50 in / 1270 mm	Roll Weight: 194 lb / 88 kg	Roll Length: 60 yd / 55 m	0 ° :	12.80 oz/sq.yd / 434 g/sq.m
			60 ° :	11.82 oz/sq.yd / 401 g/sq.m
			90 ° :	n/a
			-60 ° :	11.82 oz/sq.yd / 401 g/sq.m
			Chopped Mat :	n/a

1: Packaging: box or bag.

2: Weights do not include polyester stitching.

Laminated Properties

0 °

0 °

Laminate Weight				
	E-TLY 3600 Resin Infused		E-TLY 3600 Open Mold	
Fiber	0.25 lb/sq.ft	1.24 kg/sq.m	0.25 lb/sq.ft	1.24 kg/sq.m
Resin	0.11 lb/sq.ft	0.53 kg/sq.m	0.21 lb/sq.ft	1.01 kg/sq.m
Total	0.36 lb/sq.ft	1.77 kg/sq.m	0.46 lb/sq.ft	2.25 kg/sq.m

Physical Properties				
	E-TLY 3600 Resin Infused		E-TLY 3600 Open Mold	
Density	1.10 oz/cu.in	1.90 g/cc	0.98 oz/cu.in	1.69 g/cc
Fiber Content	70% by Wt.	52% by Vol.	55% by Wt.	37% by Vol.
Thickness	0.037 in	0.9 mm	0.052 in	1.3 mm

Laminate Moduli

	E-TLY 3600 Resin Infused		E-TLY 3600 Open Mold	
	Ex	3.19 MSI	21.98 GPa	2.30 MSI
Ey	3.10 MSI	21.36 GPa	2.23 MSI	15.38 GPa
Gxy	1.18 MSI	8.13 GPa	0.85 MSI	5.84 GPa
Ex,flex.	3.03 MSI	20.88 GPa	2.18 MSI	15.06 GPa
Ey,flex.	2.94 MSI	20.29 GPa	2.12 MSI	14.61 GPa

Ultimate Stress

	E-TLY 3600 Resin Infused		E-TLY 3600 Open Mold	
	Long. Ten.	60.4 KSI	416.2 MPa	43.5 KSI
Long. Comp.	60.4 KSI	416.2 MPa	43.5 KSI	300.0 MPa
Trans. Ten.	31.0 KSI	213.6 MPa	22.3 KSI	153.8 MPa
Trans. Comp.	31.0 KSI	213.6 MPa	22.3 KSI	153.8 MPa
In-Plane Shear	25.8 KSI	177.8 MPa	18.5 KSI	127.7 MPa
Long. Flex.	72.0 KSI	496.7 MPa	51.9 KSI	358.1 MPa
Trans. Flex.	29.4 KSI	202.9 MPa	21.2 KSI	146.1 MPa

In-Plane Stiffness, "EA"

	E-TLY 3600 Resin Infused		E-TLY 3600 Open Mold	
	(EA)x	116,469 lb/in	20,396 N/mm	120,275 lb/in
(EA)y	113,164 lb/in	19,817 N/mm	116,716 lb/in	20,439 N/mm
(GA)xy	43,096 lb/in	7,547 N/mm	44,346 lb/in	7,766 N/mm

Ultimate In-Plane Load

	E-TLY 3600 Resin Infused		E-TLY 3600 Open Mold	
	Long. Ten.	2,205 lb/in	386 N/mm	2,277 lb/in
Long. Comp.	2,205 lb/in	386 N/mm	2,277 lb/in	399 N/mm
Trans. Ten.	1,132 lb/in	198 N/mm	1,167 lb/in	204 N/mm
Trans. Comp.	1,132 lb/in	198 N/mm	1,167 lb/in	204 N/mm
In-Plane Shear	942 lb/in	165 N/mm	969 lb/in	170 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.