

# Fortesil 90° Unidirectional

Fortesil 90° Unidirectional

**90° Unidirectional** fabrics are constructed with single end rovings in the 90° or weft direction and a lightweight polyester yarn in the 0° direction. This allows all of the reinforcement weight to be in the 90° direction. This material is used for reinforcing tanks and pipes in the axial direction when a hoop winding is used. FGI's proprietary sizing allows the end-user complete compatibility with Polyester, Vinyl Ester, Epoxy, and Polyurethane resin systems.

## Product Data

	SF090	SF155
Nominal Weight oz./sq. yd.	9.4	15.5
90° Weight oz./sq. yd.	9.0	15.2
0° Weight oz./sq. yd.	.4	.3
Nominal Thickness	.025 in.	.030 in.
Roll Length Yards	215	160
Roll Length Meters	196.6	146.3
Weight per inch of Width	3.5 lbs.	4.0 lbs.

\* Optional styles available upon request — Special pricing may be applicable.

## Packaging Data

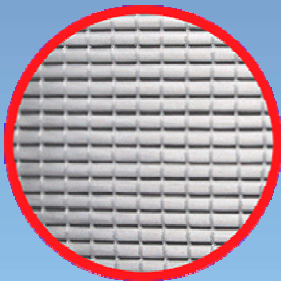
All rolls individually boxed and palletized according to size and weight.



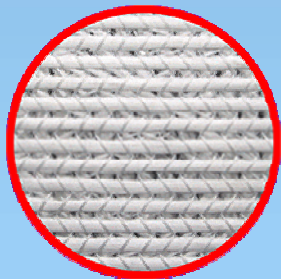
## Typical Test Data

Properties	SF155		
	0° (ksi)	90° (ksi)	Modulus (msi)
Tensile	n/a	60.40	3.70
Compressive	n/a	48.30	4.00
Flexural	n/a	75.40	n/a
Glass Content by Weight	n/a	50%	50%

The information herein is to assist customers in determining whether our products are suitable for their applications. Nothing herein shall constitute a warranty, expressed or implied. Relative values shown are accurate to the best of our knowledge.



SF155



9 oz. With chop

Rev. 03 03/09/09