

FGI Flexstrand® is a single end E glass roving. It consists of continuous filaments free from catenary and treated with proprietary FGI sizing chemistry. Sizings are available for multi-resin compatibility (polyester, vinyl ester, epoxy). Also, resin specific sizings are designed for vinyl ester as well as anhydride and amine cured epoxies. Nominal sizing content is 0.45%.

Product Data

Yd./lb. Tex	56	113	225	250	450	675
Filaments per Strand	4000	4000	2000	2000	2000	2000
Fiber Diameter (Letter)	Z	T	T	S	M	K
Fiber Diameter (Microns)	31.1	23.50	23.50	22.2	15.8	13.0

Sizing/Yield Matrix

Sizing	Primary Resin Compatibility	56	113	225	250	450	675
*1334	Multiple (PVE)	X	X	X	X	X	X
700	Multiple (PVE)	n/a	X	X	X	X	X
1452	Epoxy (anhydride & amine cured)	n/a	n/a	X	X	X	n/a

*Bold case is primary product

Packaging Data

Flexstrand® rovings are designed for inside draw with each package stretch wrapped, and consolidated with 64 balls per pallet. The inside and outside ends are tied for easy access and placed into the center of the package. Nominal package height is 10", the diameter is 10"-11" and the weight is 40-45 lbs.



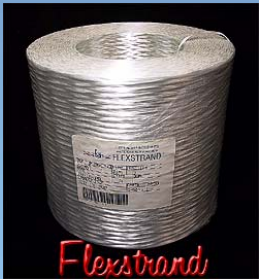
Typical Test Data

113 Yield

	Polyester Resin		Vinylester Resin	
	FGI 700 sizing	FGI 1334 sizing	FGI 700 sizing	FGI 1334 sizing
Tensile Strength, (psi)	314,552	327,142	347,761	351,622
Tensile Modulus, (msi)	10.59	10.74	10.76	11.08
Short Beam Shear (psi)	9,083	9,693	8,183	9,142
Flexural Strength, (psi)	152,616	158,122	157,959	158,612
Flexural Modulus, (msi)	3.453	3.618	3.817	3.910
Glass Content % by Wt.	52	52	52	52

Fiber Glass Industries rovings tested in accordance with ASTM D-2343, D-2344, and D-790. 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

Rev. 04 10/20/09



225 Yield Roving



Variety of Yields