

Double Bias Knitmat® ± 45°

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Double Bias Knitmat® is a High Strength Stitch bonded product mechanically combining +/- 45° rovings. **Knitmat®** products are available with and without chopped glass strand. Combinations with glass, polyester, and other veils, along with CSM are available upon request. The resulting Double Bias product is extremely conformable, offering fast wet out, and excellent process-ability with high dry and wet strength. **Double Bias Knitmat®** materials are ideal for hand lay up molding, resin infusion, SRIM, RRIM, and SCRIMP® processes. FGI's proprietary sizing allows the end user complete compatibility, with Polyester, Vinyl Ester, Epoxy, and Polyurethane resin systems.

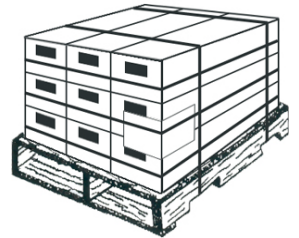
Product Data

	SX1200	SX1208	SX1700	SX1708	SX2400	SX2408	SX4310
Nominal Weight oz./sq. yd.	12.50	20.95	17.00	25.40	24.00	32.40	52.00
±45° Weight oz./sq. yd.	12.50	12.85	17.00	17.30	24.00	24.30	43.00
Mat Weight oz./sq. yd.	N/A	8.10	N/A	8.10	N/A	8.10	9.00
Nominal Thickness	.020 in.	.040 in.	.030 in.	.040 in.	.035 in.	.055 in.	.085 in.
Roll Length Yards	175	100	125	90	100	70	50
Roll Length Meters	160.0	91.4	114.3	82.3	91.4	64.0	45.7
Weight per inch of Width	3.6 lbs.	3.4 lbs.	3.7 lbs.	3.7 lbs.	4.1 lbs.	3.8 lbs.	4.5 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

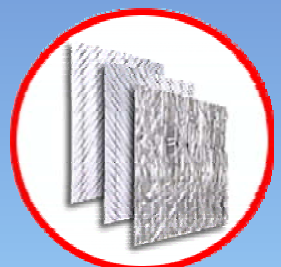
Properties	SX1208, SX1708, SX2408		
	0° (ksi)	90° (ksi)	Modulus (msi)
Tensile	10.60 - 14.20	15.90 - 20.50	1.20 - 1.30
Compressive	19.30 - 21.80	20.50 - 23.40	1.00 - 1.20
Flexural	27.10 - 38.40	35.90 - 43.00	0.87 - 1.15
Glass Content by Weight	44 - 50%	44 - 50%	44 - 50%

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

Rev. 03 04/08/04



SX1208



+45° -45° Chop