

Product Properties ¹	Test Method	Units		FG1515	FG1100	FG2020	FG1200	FG1500	FG3030	FG3030L
Aperture Dimensions ²		in (mm)	MD	1.5 (38)	1 (25)	1.5 (38)	1 (25)	1 (25)	1.3 (34)	2.6 (66)
			XD	1.5 (38)	1.3 (33)	1.5 (38)	1.3 (33)	1.06 (27)	1.3 (34)	2.6 (66)
Minimum Rib Thickness ²		in (mm)	MD	0.035 (0.9)	0.03 (0.76)	0.04 (1.1)	0.05 (1.27)	0.07 (1.78)	0.07 (1.78)	0.08 (2.1)
			XD	0.025 (0.6)	0.03 (0.76)	0.03 (0.8)	0.04 (1.1)	0.06 (1.5)	0.04 (1)	0.04 (0.9)
Tensile Strength at 2% Strain	ASTM D6637	lb/ft (kN/m)	MD	340 (5)	280 (4.1)	450 (6.5)	410 (6)	580 (8.5)	690 (9.36)	719 (10.5)
			XD	340 (5)	450 (6.6)	450 (6.5)	620 (9)	690 (10)	690 (9.36)	719 (10.5)
Tensile Strength at 5% Strain	ASTM D6637	lb/ft (kN/m)	MD	750 (11)	580 (8.5)	890 (13)	810 (11.8)	1,200 (17.5)	1,390 (18.85)	1,439 (21)
			XD	750 (11)	920 (13.4)	890 (13)	1,340 (19.6)	1,370 (20)	1,390 (18.85)	1,439 (21)
Ultimate Tensile Strength	ASTM D6637	lb/ft (kN/m)	MD	1030 (15)	850 (12.4)	1370 (20)	1,310 (19.2)	1,850 (27)	2,050 (30)	2,055 (30)
			XD	1030 (15)	1,300 (19)	1370 (20)	1,970 (28.8)	2,050 (30)	2,050 (30)	2,055 (30)
Roll Size Standard*		ft (m)		13.1 x 246 (4 x 75)	13.1 x 246 (4 x 75)	13.1 x 164 (4 x 50)	13.1 x 164 (4 x 50)	13.1 x 164 (4 x 50)	13.1 x 164 (4 x 50)	13.1 x 164 (4 x 50)

Structural Integrity

Junction Efficiency ³	ASTM D7737	%	93	93	93	93	90	93	93
Flexural Stiffness	ASTM D7748	mg-cm	250,000	250,000	700,000	750,000	2,000,000	2,000,000	2,000,000
Aperture Stability	USACOE	m-N/deg	0.38	0.32	0.45	0.65	0.6	0.9	0.75

Durability

Resistance to Installation Damage	ASTM D5818	%SC / %SW / %GP	95 / 93 / 90	95 / 93 / 90	95 / 93 / 90	95 / 93 / 90	95 / 93 / 90	95 / 93 / 90	75% GP
Resistance to Long Term Degradation	EPA 9090	%	100	100	100	100	100	100	100
Resistance to UV Degradation	ASTM D4355	%	100	100	100	100	100	100	100

Geotextile Hydraulic Properties¹ Test Method

Apparent Opening Size (AOS)	ASTM D-4751		English	70 US Std. Sieve
			Metric	0.212 mm
Permittivity	ASTM D-4491			1.5 sec ⁻¹
Water Flow Rate	ASTM D-4491		English	110 gpm/ft ²
			Metric	4479 l/min/m ²

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*Dimensions & Delivery

The BASELOK™ GeoGrid composite shall be delivered to the job site in roll form with each roll individually identified and nominally measuring 4m (13.1-FT) in width and 50m (164-FT) or 75m (246-FT) in length. FabGrid® is also available in 16-FT width.

Notes

1. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759. Brief descriptions of test procedures are given in the following notes.
2. Nominal dimensions.
3. Load transfer capability determined in accordance with ASTM D6637 and ASTM D7737 and expressed as a percentage of ultimate tensile strength.