

FOUNDATION Geotextiles

256 Paper Lane, Clarkesville, GA 30523, phone: 706/839-6632, fax: 706/839-6634, www.FoundationGT.com, email: Sales@FoundationGT.com

Medium / High Strength Woven Geotextile Product Line

All products are polypropylene and woven in our Clarkesville, GA plant. Contract and Private Labeling welcome as well as proprietary weaving. We can split shipments with local non-woven manufacturers. Master rolls and 17' widths available for select fabrics.

Property	Test Procedure	UNIT	FG27 (2x2) NTPEP	FG33 (3x3) NTPEP	FG57 (4x4) NTPEP	FG70 Filter Fabric NTPEP	FG40 Filter Fabric NTPEP	FG46 (4x6) (Black & Tan)	FG58 (5x8) (Black & Tan)	FG42.5 (4x2.5) (Black & Tan)
Grab Tensile Strength *	ASTM D-4632	lbs (kN)	295 x 260 (1.31 x 1.16)	450 x 350 (2.0 x 1.43)	500 x 475 (2.2 x 2.1)	370 x 250 (1.65 x 1.11)	365 x 200 (1.62 x 0.89)	600 x 700 (2.67 x 3.12)		
Grab Elongation *	ASTM D-4632	%	13 x 12	12 x 10	11 x 4	15 x 15	24 x 10			
Wide Width Tensile *	ASTM D-4595	lbs/ft (kN/m)	2640 x 2460 (38.5 x 35.9)	3600 x 3300 (52.5 x 48.2)	4800 x 4800 (70 x 70)			5400 x 7500 (79 x 110)	5400 x 9300 (79 x 136)	4620 x 4020 (67.5 x 58.8)
Wide Width Tensile @5% *	ASTM D-4595	lbs/ft (kN/m)	1250 x 1400 (18.3 x 20.4)	1500 x 1560 (21.9 x 22.8)	2400 x 3000 (35.0 x 43.8)					
Trapezoid Tear Strength *	ASTM D-4533	lbs (kN)	110 x 130 (0.49 x 0.58)	150 x 160 (0.67 x 0.71)	180 x 180 (0.80 x 0.80)	100 x 60 (0.45 X 0.27)	115 x 75 (0.51 x 0.33)	250 x 300 (1.1 x 1.33)	250 x 300 (1.1 x 1.33)	250 x 250 (1.1 x 1.1)
CBR Puncture *	ASTM D-6241	lbs (kN)	1000 (4.38)	1300 (5.78)	2000 (8.9)	950 (4.23)	675 (3)	2500 (11)	2800 (12)	1700 (3.5)
Permittivity **	ASTM D-4491	sec ⁻¹	0.6	0.90	0.50	0.28	2.1	0.26	0.22	0.13
AOS ***	ASTM D-4751	US Sieve (mm)	30 (0.6)	30 (0.6)	30 (0.6)	70 (0.212)	40 (0.425)	40 (0.425)	40 (0.425)	50 (0.30)
Water Flow **	ASTM D-4491	gpm/ft ² (Lpm/m ²)	40 (1630)	66 (2688)	36 (1466)	18 (733)	145 (5907)	20 (813)	18 (733)	9 (367)
UV Resistance +	ASTM D-4355	%	80 (500 hour)	80 (500 hour)	80 (500 hour)	90 (500 hour)	90 (500 hour)	70 (1200 hour)	70 (1200 hour)	70 (1200 hour)
Typical Roll Size		Feet (Meters)	15 x 300 (4.57 x 91)	15 x 300 (4.57 x 91)	15 x 300 (4.57 x 91)	12 x 300 (3.66 x 91)	12.5 X 300 (3.81 x 91)	Custom	Custom	Custom

*MARV: Minimum Average Roll Value

** Minimum Roll Value

*** Maximum Opening Size

+ Minimum Test Value

Very High Strength (10x10) Dewatering and Filtration Fabrics Available in Custom Sizes and Colors

This information is provided for reference purposes only and Foundation assumes no liability for its accuracy or completeness. It is based on statistical calculations of testing in a controlled environment and may not represent all fabric samples. Foundation assumes no liability in connection with the use of this information and disclaims any and all express, statutory or implied warranties or guarantees as to the fitness of any product for any purpose arising from the information furnished herewith. Final suitability, reliability, and accuracy of this information is the responsibility of the user and nothing included in this document should be construed as engineering advice.