

STRATA

Product Data

StrataTex Geotextile

StrataTex (ST Series) is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. StrataTex (SW Series) geotextile fabrics are woven polypropylene materials offering optimum performance when used in stabilization applications. StrataTex is engineered to be mechanically and chemically durable, in both the harsh construction installation phase and in aggressive soil environments (pH range from 2-13). Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	UNIT	ASTM TEST METHOD	ST-131 3.1 oz	ST-135 3.5 oz	ST-140 4.0 oz	ST-142 4.5 oz	ST-160 6.0 oz	ST-170 7.0 oz	ST-180 8.0 oz	ST-110 10.0 oz	SW200 4.0 oz	SW250 5.0 oz	SW315 6.3 oz
Weight	oz/yd ² (g/m ²)	ASTM D5261	3.1 (105)	3.5 (119)	4.0 (136)	4.2 (142)	6.0 (203)	7.0 (237)	8.0 (271)	10.0 (339)	4.0 (136)	5.0 (170)	6.3 (214)
Grab Tensile Strength	lbs (kN)	ASTM D4632	80 (0.35)	90 (0.401)	100 (0.445)	120 (0.533)	160 (0.711)	180 (0.80)	205 (0.911)	250 (1.11)	200 (0.90)	250 (1.11)	315 (1.40)
Grab Elongation	%	ASTM D4632	50	50	50	50	50	50	50	50	15	15	15
Trapezoid Tear	lbs (kN)	ASTM D4533	30 (0.13)	40 (0.178)	50 (0.222)	50 (0.222)	65 (0.267)	75 (0.333)	85 (0.378)	100 (0.444)	75 (0.333)	90 (0.405)	120 (0.533)
CBR Puncture Resistance	lbs (kN)	ASTM D6241	175 (0.76)	265 (1.18)	300 (1.32)	340 (1.46)	410 (1.82)	475 (2.11)	535 (2.38)	700 (3.11)	700 (3.12)	900 (4.005)	1000 (4.45)
Permittivity*	sec ⁻¹	ASTM D4491	2.2	2.0	2.0	1.7	1.5	1.4	1.35	1.2	0.05	0.05	0.05
Water Flow*	gpm/ft ² (1/min/m ²)	ASTM D4491	150 (6095)	150 (6095)	140 (5689)	120 (4885)	110 (4480)	100 (4074)	90 (3657)	80 (3251)	5 (203)	4 (163)	4 (163)
A.O.S.*	U.S. Sieve (mm)	ASTM D4751	50 (0.30)	50 (0.30)	70 (0.212)	70 (0.212)	70 (0.212)	70 (0.212)	80 (0.180)	100 (0.150)	40 (0.425)	40 (0.425)	40 (0.425)
U.V. Resistance	%/hrs	ASTM D4355	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500

AASHTO

M288 Survivability Class	—	—	—	3	2	2	1	1	3	2	1
M288 Application ²	—	—	SP,D	SP,D	SP,D	SP,D	SP,ST,D,E	SP,ST,D,E	—	SP	ST, SP

²S/F = Silt Fence SP = Separation ST = Stabilization E = Erosion Control D = Drainage

PACKAGING

Roll Dimension (FT)		12.5 x 360	12.5 x 360	12.5 x 360	12.5 x 360	12.5 x 360	12.5 x 360	12.5 x 360	12.5 x 360	12.5 x 432	12.5 x 432	12.5 x 360
		15 x 360	15 x 360	15 x 360	15 x 360	15 x 300	15 x 300	15 x 300	15 x 300	17.5 x 309	17.5 x 309	17.5 x 258
Square Yards/Roll		500/600	500/600	500/600	500/600	500/500	500/500	500/500	500/500	600/600	600/600	500/500
Estimated Roll Weight (lbs)		125 / 145	130 / 155	146 / 172	152 / 192	195	220	250	320	180	180	210



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This product specification supersedes all prior specifications for the products described and is not applicable to any products shipped prior to January 1, 2011. This information has been carefully compiled by Strata Systems, Inc., and to the best of our knowledge is accurate. Final determination of the suitability of any information or material is the sole responsibility of the user. Structural design shall be performed by a licensed design professional.