



TITAN NONWOVEN

CIVIL GEOTEXTILES

PROPERTY	UNIT	ASTM TEST METHOD	TE-3.1 3.1 oz	TE-3.5 3.5 oz	TE-4 4 oz	TE-4.5 4.5 oz	TE-6 6 oz	TE-7 7 oz	TE-8 8 oz	TE-10 10 oz	TE-12 12 oz	TE-16 16 oz
Weight	oz/yd ² (g/m ²)	ASTM D5261	3.1 (105)	3.5 (119)	4.0 (136)	4.5 (153)	6.0 (203)	7.0 (237)	8.0 (271)	10.0 (339)	12.0 (407)	16.0 (542)
Grab Tensile	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)	300 (1.33)	380 (1.69)
Grab Elongation	%	ASTM D4632	50	50)	50	50	50	50	50	50	50	50
Trapezoid Tear	lbs (kN)	ASTM D4533	30 (0.13)	40 (0.178)	50 (0.222)	50 (0.222)	65 (0.289)	75 (0.333)	85 (0.378)	100 (0.444)	115 (0.511)	145 (0.644)
CBR Puncture Resistance	lbs (kN)	ASTM D6241	175 (.76)	265 (1.18)	300 (1.32)	340 1.51)	410 (1.82)	475 (2.11)	535 (2.38)	700 (3.11)	850 (3.78)	1080 (4.82)
Mullen Burst	psi (kPa)	ASTM D3786	130 (896)	265 (1.18)	215 (1481)	240 (1654)	315 (2170)	350 (2412)	400 (2756)	520 (3583)	600 (4134)	750 (5168)
Permittivity*	sec ⁻¹	ASTM D4491	2.2	2.0	2.0	1.8	1.6	1.5	1.4	1.2	1.0	0.7
Water Flow*	gpm/ft ² (l/min/m ²)	ASTM D4491	150 (6095)	150 (6095)	140 (5689)	120 (4885)	110 (4480)	100 (4074)	90 (3657)	80 (3251)	75 (3055)	50 (2035)
A.O.S.*	U.S. Sieve (mm)	ASTM D4751	50 (0.30)	70 (0.212)	70 (0.212)	70 (0.212)	70 (0.212)	70 (0.212)	80 (0.180)	100 (0.150)	100 (0.150)	100 (0.150)
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

*At time of manufacturing. Handling, storage, and shipping may change these properties.

PACKAGING											
Roll Dimensions (ft)	12.5 / 15 x 360				12.5 X 360 15 X 300		12.5 X 360 15 x 300			15 X 150	
Square Yards/Roll	500/600				500		500			250	
Estimated Roll Weight (lbs)	152/180	195	220	250	320	375	250	12/145	130/155	152/180	

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