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TITAN NONWOVEN

ENVIRONMENTAL GEOTEXTILES

PROPERTY	UNIT	ASTM TEST METHOD	TE-E140 4 oz	TE-E160 6 oz	TE-E170 7 oz	TE-E180 8 oz	TE-E110 10 oz	TE-E112 12 oz	TE-E114 14 oz	TE-E116 16 oz
Weight	oz/yd² (g/m²)	ASTM D 5261	4.0 (135)	6.0 (203)	7.0 (237)	8.0 (271)	10.0 (339)	12.0 (407)	14.0 (475)	16.0 (542)
Thickness*	Mils (mm)	ASTM D 5199	70 (1.77)	85 (2.16)	90 (2.29)	100 (2.5)	110 (2.79)	120 (3.05)	135 (3.43)	175 (4.45)
Grab Tensile	Lbs (kN)	ASTM D 4632	105 (.467)	160 (0.711)	200 (0.889)	225 (1.0)	270 (1.20)	330 (1.47)	390 (1.73)	425 (1.89)
Grab Elongation	%	ASTM D 4632	50	50	50	50	50	50	50	50
Trapezoid Tear	lbs (kN)	ASTM D 4533	45 (0.20)	65 (0.29)	75 (0.33)	90 (0.40)	100 (0.44)	125 (0.556)	135 (0.60)	150 (0.667)
CBR Puncture Resistance	lbs (kN)	ASTM D 6241	305 (1.36)	450 (2.0)	540 (2.40)	600 (2.67)	725 (3.22)	900 (4.0)	1045 (4.65)	1200 (5.34)
Mullen Burst	psi (kPa)	ASTM D 3786	230 (1585)	330 (2274)	370 (2549)	425 (2928)	525 (3617)	625 (4306)	700 (4823)	800 (5512)
Permittivity*	sec^{-1}	ASTM D 4491	2.00	1.63	1.41	1.26	0.94	0.90	0.64	0.57
Permeability*	cm/sec	ASTM D 4491	0.55	0.48	0.46	0.30	0.30	0.30	0.25	0.25
Water Flow*	gpm/ft² (l/min/m²)	ASTM D 4491	160 (6518)	125 (5080)	110 (4470)	100 (4074)	75 (3055)	70 (2544)	50 (2037)	45 (1833)
A.O.S.*	U.S. Sieve (mm)	ASTM D 4751	70 (0.212)	70 (0.212)	70 (0.212)	80 (0.180)	100 (0.150)	100 (0.150)	100 (0.150)	100 (0.150)
U.V. Resistance	%/hrs	ASTM D 4355	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)	15 x 1350	15 x 900	15 x 780	15 x 690	15 x 570	15 x 480	15 x 390	15 x 360
Square Yards/Roll	2250	1500	1300	1150	950	800	650	600
Estimated Roll Weight (lbs)	620	620	620	620	620	620	620	620