

**NON-WOVEN GEOTEXTILES
FOR ENVIRONMENTAL APPLICATION**

COMPARATIVE PRODUCT SPECIFICATION CHART



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PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)							
			GE140	GE160	GE170	GE180	GE110	GE112	GE114	GE116
Weight	ASTM D 5261	oz/yd ²	4	6	7	8	10	12	14	16
		g/m ²	135	203	237	271	339	407	475	542
Thickness*	ASTM D 5199	mils	70	85	90	100	110	120	135	175
		mm	1.77	2.16	2.29	2.5	2.79	3.05	3.43	4.45
Grab Tensile	ASTM D 4632	lbs	105	160	200	225	270	330	390	425
		kN	0.467	0.711	0.889	1	1.2	1.47	1.73	1.89
Grab Elongation	ASTM D 4632	%	50	50	50	50	50	50	50	50
Trapezoid Tear Strength	ASTM D 4533	lbs	45	65	75	90	100	125	135	150
		kN	0.2	0.29	0.33	0.4	0.44	0.556	0.6	0.667
CBR Puncture Resistance	ASTM D 6241	lbs	305	450	540	600	725	900	1045	1200
		kN	1.36	2	2.4	2.67	3.22	4	4.65	5.34
Permittivity*	ASTM D 4491	sec ⁻¹	2	1.63	1.41	1.26	0.94	0.9	0.64	0.57
Permeability*	ASTM D 4491	cm/sec	0.55	0.48	0.46	0.3	0.3	0.3	0.25	0.25
Water Flow*	ASTM D 4491	gpm/ft ²	160	125	110	100	75	70	50	45
		l/min/m ²	6518	5080	4470	4074	3055	2544	2037	1833
AOS*	ASTM D 4751	US Sieve	70	70	70	80	100	100	100	100
		mm	0.212	0.212	0.212	0.18	0.15	0.15	0.15	0.15
UV Resistance at 500 hrs	ASTM D 4355	%	70	70	70	70	70	70	70	70

* At the time of manufacturing. Handling may change these properties.

PACKAGING DETAILS

Roll Dimension (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

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