

**COMPARATIVE PRODUCT SPECIFICATION CHART**

**NON-WOVEN GEOTEXTILES FOR TRANSPORTATION APPLICATION**



Property	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)										
			GT131	GT135	GT140	GT142	GT150	GT160	GT170	GT180	GT110	GT112	GT116
Grab Tensile	ASTM D 4632	lbs	80	90	100	120	135	160	180	205	250	300	380
		kN	0.355	0.401	0.445	0.533	0.600	0.711	0.800	0.911	1.112	1.334	1.69
Grab Elongation	ASTM D 4632	%	50	50	50	50	50	50	50	50	50	50	50
Trapezoid Tear Strength	ASTM D 4533	lbs	30	40	45	50	55	60	75	85	100	115	145
		kN	0.13	0.18	0.20	0.22	0.24	0.27	0.33	0.38	0.45	0.51	0.65
CBR Puncture Resistance	ASTM D 6241	lbs	175	265	300	340	350	410	475	535	700	850	1080
		kN	0.78	1.18	1.33	1.51	1.56	1.82	2.11	2.37	3.11	3.78	4.8
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	2.2	2	2	1.7	1.6	1.5	1.4	1.4	1.2	1	0.7
Water Flow*	ASTM D 6140	gpm/ft <sup>2</sup>	150	150	140	135	115	110	105	95	80	75	50
		l/min/m <sup>2</sup>	6095	6095	5689	4885	4684	4480	4074	3657	3251	3055	2035
AOS*	ASTM D 4751	US Sieve	50	50	70	70	70	70	70	80	100	100	100
		mm	0.30	0.30	0.212	0.212	0.212	0.212	0.212	0.18	0.15	0.15	0.15
UV Resistance at 500 hrs	ASTM D 4355	%	70	70	70	70	70	70	70	70	70	70	70

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

**AASTHO CLASSIFICATION**

M288 Survivability Class	-	-	-	3	3	2	2	1	1	1	1
M288 Application+	-	-	S/F	S/F	S/F	SP,D	SP,D	SP,ST, D,E	SP,ST, D,E	SP,ST, D,E	SP,ST, D,E

+ S/F=Slit Fence, SP=Separation, ST=Stabilization, E=Erosion Control, D=Drainage

**PACKAGING DETAILS**

Roll Dimension	(ft)	12.5/15 x 360	12.5 x 360/15 x 300	15 x 150
	(m)	3.81 x 109.8 / 4.6 x 109.8	3.81 x 109.8 / 4.6 x 91.4	4.6 x 46
Area Per Roll	(yd <sup>2</sup> )	500/600	500	250
	(m <sup>2</sup> )	418/505	418	210

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