



Civil Nonwoven Geotextiles

Property	Unit	Test Method	3 Oz	3.5 Oz	4 Oz	4.2 Oz	6 Oz	7 Oz	8 Oz	10 Oz	12 Oz	16 Oz	3.8 Oz Paving	4.2 Oz Paving
Weight	OZ/SY (G/SM)	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)	12.0 (407)	16 (542)	3.8 (142)	4.2 (143)
Grab Tensile	LBS (kN)	ASTM D4632	80 (.35)	90 (.40)	100 (.45)	120 (.53)	160 (.71)	180 (.80)	205 (.91)	250 (1.11)	300 (1.33)	380 (1.69)	90 (.40)	102 (.45)
Grab Elongation	%	ASTM D4632	50	50	50	50	50	50	50	50	50	50	50	50
Trapezoid Tear	LBS (kN)	ASTM D4533	30	40	50	50	60	75	85	100	115	145	35	45
CBR Puncture	LBS (kN)	ASTM D6241	175 (.76)	265 (1.18)	300 (1.32)	340 (1.46)	410 (1.82)	475 (2.11)	535 (2.38)	700 (3.11)	850 (3.78)	1080 (4.82)	275 (1.22)	300 (1.24)
Permittivity	SEC ⁻¹	ASTM D4491	2.2	2.0	2.0	1.7	1.5	1.4	1.4	1.2	1.0	0.1	---	---
Water Flow	GPM/SF (lpm/sm)	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.	Sieve (MM)	ASTM D4751	50 (.30)	50 (.30)	70 (.21)	70 (.21)	70 (.21)	70 (.21)	80 (.18)	100 (.15)	100 (.15)	100 (.15)	---	---
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	70/500
Asphalt Retention	GAL/SY	---	---	---	---	---	---	---	---	---	---	---	0.2	0.2
Melting Point	F (Celsius)	---	---	---	---	---	---	---	---	---	---	---	300 (149)	300 (149)