



Separation and Stabilization Geotextile and Geotextile Filter Requirements

Geotextile Property	Test Method	UOM	Class 1						Class 2					
			Non Woven			GT180			Non Woven			GT160		
Elongation at break	ASTM D4632	%	≥ 50			50			≥ 50			50		
Minimum grab strength	ASTM D4632	lb	200			205			160			160		
		(N)	890			911			710			711		
Minimum sewn seam strength	ASTM D4632	lb	180			185			140			144		
		(N)	800			820			620			640		
Minimum tear strength	ASTM D4533	lb	80			85			55			60		
		(N)	360			378			240			267		
Minimum puncture strength	ASTM D6241	lb	430			535			310			410		
		(N)	1910			2370			1380			1823		
Minimum ultraviolet stability	ASTM D4355	%@500 hrs	50%			70%			50%			70%		
Hydraulic Properties	Test Method	UOM	Type A	Type B	Type C	Type D	Type E	GT180	Type A	Type B	Type C	Type D	Type E	GT160
Minimum permittivity	ASTM D4491	s-1	0.7	0.5	0.2	0.1	0.1	1.35	0.7	0.5	0.2	0.1	0.1	1.5
Maximum apparent opening size (AOS)	ASTM D4751	Sieve size U.S. (mm)	40 (0.425)	40 (0.425)	60 (0.425)	40 (0.425)	70 (0.212)	80 (0.180)	40 (0.425)	40 (0.425)	60 (0.425)	40 (0.425)	70 (0.212)	70 (0.212)

Paving Geotextile

Property	Test Method	UOM	Value	GC140
Grab strength	ASTM D4632	lb (N)	110 (490)	102 (0.453)
Elongation at break	ASTM D4632	%	≥ 50	50
Asphalt retention	ASTM D6140	gal/yd2	As per manufacturer's certification	0.2
Mass per unit area	ASTM D5261	oz/yd2 (g/m2)	4 - 6 (135 - 200)	4.2 (143)
Melting point	ASTM D276	°F (°C)	300 (150)	300 (149)

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