

Wire Backed Nonwoven Silt Fence Specifications

DESCRIPTION: Wire Backed Nonwoven Silt Fence shall consist of three parts:

1. Silt Fence geotextile shall be a 36” needle punched, nonwoven filter fabric machine produced from polypropylene fibers. Geotextile should be designed specifically to retain sediment and remain highly permeable to water. Desired characteristics include small pore size, high U.V. resistance, high permittivity, and a high percent open area.
2. 14 gauge 2” x 4” Woven Wire Fence
3. Fastening rings shall be constructed of wire conforming to ASTM A-641, A-809, A-370, and A-938

GEOTEXTILE PROPERTIES:

<u>Mechanical/ Physical Properties</u>	<u>Description/Minimum Average Roll Values</u>	<u>Test Method</u>
Structure	Nonwoven, needle punched	
Polymer	Polypropylene	
U.V. Resistance (@ 500hrs)	>70% Strength Retained	ASTM D4355
Permittivity	1.4 Sec ⁻¹	ASTM D4491
Flow Rate	105 gpm/ft ²	ASTM D4491
Grab Tensile Strength	160 lbs	ASTM D4632
Grab Tensile Elongation	50%	ASTM D4632
Trapezoid Tear Strength	60 lbs	ASTM D4533
AOS (U.S. Sieve)	#70 Sieve	ASTM D4751
CBR Puncture Strength	410 lbs	ASTM D6241
Color	<u>Black</u>	

ASSEMBLY:

Geotextile shall be secured with fastening rings every 12” on center across the top of wire fence and every 24” across the mid section. The fastening rings shall penetrate geotextile and securely close around a steel member. Steel T or U Post to be supplied by others.

PACKAGING:

Color:	Black
Fabric Width	36”
Wire Mesh	36”
LF/Roll	100’
Weight/Roll	35 lbs +/-

