

Evaluation Table

PEP ID:	XXXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

800 Landscape Architectural Materials
 810 Erosion Control Silt Fence
 ADOT Standard Specification: 810-2.01, 915, 1014-1, 1014-8
 ADOT Stored Specification: 1014GEOSYN
 ADOT Standard Drawing: Detail ES7
 See ADOT Erosion and Pollution Control Manual
 Responsible Section: Roadway Group

Material Property	Specification / Test Method	Requirement	Results	Pass / Fail
Identification, Packaging, Handling, and Storage	915-2.02 ASTM D4873	The identification, packaging, handling, and storage of the geotextile fabric shall be in accordance with ASTM D4873.		
Silt Fence Materials	810-2.01	Geotextile fabric shall conform to the requirements of Subsections 1014-1 and 1014-8 of the specifications, except that the filter cloth shall be woven polypropylene, and the fabric Apparent Opening Size shall be between numbers 20 and 50 U.S. Standard sieve sizes, when tested in accordance with ASTM D4751. (see below)		
NTPEP Datamine	1014-1 1014GEOSYN	Geosynthetic materials, excluding biaxial geogrid, must be on the DataMine list for geotextiles and geosynthetics on the AASHTO Product Evaluation & Audit Solutions (formerly NTPEP) website.		

Composition	1014-1 1014GEOSYN	Fibers, yarns, and filaments used in the manufacture of geotextile fabric, and the threads used in joining by sewing, shall consist of long-chain synthetic polymers, composed at least 95 percent, by weight, of polyolefins or polyesters.		
Fabric Edges	1014-8	The edges of the fabric shall be finished to prevent the outer yarn from pulling away from the fabric.		
Width	1014-8	The fabric shall have a minimum width of 36 inches.		
Grab Strength: lbs., MD and XMD, min*	1014-8 ASTM D4632	124		
Permittivity, min, sec ⁻¹	1014-8 ASTM D4491	0.05		
Apparent Opening Size / US Standard sieve size	810-2.01 1014-8 ASTM D4751	The fabric Apparent Opening Size shall be between numbers 20 and 50 U.S. Standard sieve sizes, when tested in accordance with ASTM D4751.		
Ultraviolet Stability (retained strength)	1014-8 ASTM D4355	>70% after 500 hours exposure		

*Elongation >50% as measured in accordance with ASTM D4632