

Evaluation Table

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

1014 Soil Reinforcement and Geosynthetics
 1014 Bank Protection Fabric (Non-Woven Only)
 ADOT Standard Specification: 1014-1, 1014-5
 Responsible Section: Materials Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
NTPEP Datamine	1014-1	Geosynthetic materials, including eligible biaxial geogrid, must be on the DataMine list for geotextiles and geosynthetics on the NTPEP website.		
Composition	1014-1	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.		
Packaging	1014-1	Geosynthetic materials shall be furnished in protective covers capable of protecting the materials from harmful environmental conditions such as ultraviolet rays, abrasion, extreme heat, and water.		
General	1014-1	Geotextile fabric shall be resistant to chemical attack, rot, and mildew, and shall have no tears or defects which will adversely alter its physical properties.		

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Elongation, % MARV min	1014-5 ASTM D4632	≥50		
Grab Strength: lbs., MARV min	1014-5 ASTM D4632	202		
Tear Strength: lbs., MARV min	1014-5 ASTM D4533	79		
Puncture Strength: lbs., MARV min	1014-5 ASTM D6241	433		
Permittivity, sec ⁻¹ MARV min	1014-5 ASTM D4491	0.7		
Ultraviolet Stability (retained strength) MARV min	1014-5 ASTM D4355	≥50% after 500 hours of exposure		
Apparent Opening Size / US Standard sieve size, MARV max	1014-5 ASTM D4751	No. 70		