

Evaluation Table

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

1014 Soil Reinforcement and Geosynthetics

1014 Low Survivability Separation Geotextile Fabric (Non-Woven Only)

ADOT Standard Specification: 1014-1, 1014-4, 1014-4.01

ADOT Stored Specification: 1014GEOSYN

Responsible Section: Materials Group

Material Property	Specification / Test Method	Requirement	Results	Pass / Fail
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	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.		

Last Modified: 7/18/2024

Material Property	Specification / Test Method	Requirement	Results	Pass / Fail
Permittivity, sec ⁻¹ MARV min	1014-4 ASTM D4491	0.5		
Apparent Opening Size / US Standard sieve size, MARV max	1014-4 ASTM D4751	70		
Elongation, % MARV min	1014-4.01 ASTM D4632	>50%		
Grab Strength: lbs., MARV min	1014-4.01 ASTM D4632	112		
Tear Strength: lbs., MARV min	1014-4.01 ASTM D4533	40		
Puncture Strength: lbs., MARV min	1014-4.01 ASTM D6241	223		
Ultraviolet Stability (retained strength) MARV min	1014-4.01 ASTM D4355	>50% after 500 hours exposure		