

## Evaluation Table

|                      |                      |
|----------------------|----------------------|
| <b>PEP ID:</b>       | XXXXXX               |
| <b>Manufacturer:</b> | Name of Manufacturer |
| <b>Product Name:</b> | Name of Product      |

800 Landscape Architectural Materials

810 Storm Water Quality Protection & Erosion/Sediment Control: Filters and Filter Material for Inlet Grates - Gravel Bags, Storm Drain Inlets, Curb Inlets, Drop Inlets, Weep Holes, Dewatering Bags, and Fabric Bags.

Non-Woven Separation Geotextile Fabric

ADOT Standard Specification: 810 / 1014-1 / 1014-4

See ADOT Erosion and Pollution Control Manual

Responsible Section: Roadway Group

| Material Property                              | Specification / Test Method | Survivability* | Requirement  | Results | Pass / Fail |
|--|-----------------------------|----------------|--|---------|-------------|
| Composition                                    | 1014-1                      | N/A            | 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. |         |             |
| Permittivity, min, sec <sup>-1</sup>           | 1014-4<br>ASTM D4491        | N/A            | 0.5  |         |             |
| Apparent Opening Size / US Standard sieve size | 1014-4<br>ASTM D4751        | N/A            | 70   |         |             |
| Grab Strength: lbs., min                       | 1014-4<br>ASTM D4632        | Low            | 112  |         |             |
|  |                             | Moderate       | 157  |         |             |
|  |                             | High           | 202  |         |             |
| Tear Strength: lbs., min                       | 1014-4<br>ASTM D4533        | Low            | 40   |         |             |
|  |                             | Moderate       | 56   |         |             |
|  |                             | High           | 79   |         |             |

Last Modified: 8/2/2023

|  |                      |          |   |  |  |
|--|----------------------|----------|---|--|--|
| Puncture Strength:<br>lbs., min              | 1014-4<br>ASTM D6241 | Low      | 223   |  |  |
|  |                      | Moderate | 309   |  |  |
|  |                      | High     | 433   |  |  |
| Ultraviolet Stability<br>(retained strength) | 1014-4<br>ASTM D4355 | N/A      | >50% after 500 hours<br>exposure  |  |  |
| NTPEP Datamine                               | 1014-1               | N/A      | Geosynthetic<br>materials, including<br>eligible biaxial geogrid,<br>must be on the<br>DataMine list for<br>geotextiles and<br>geosynthetics on the<br>NTPEP website. |  |  |

Elongation >50% as measured in accordance with ASTM D4632

\*Include the Survivability Rating in APL Notes