



The Patriot Geosynthetics Grate Bag traps sand, debris, and most silt particles before they enter the sump or pipes. Costly basin and pipe system cleaning is reduced. Best of all, the Patriot Geosynthetics Grate Bag can be reused.

Note: Color of material may vary.



Patriot Grate Bags meet or exceed the physical property values listed below:

| PROPERTY         | TEST METHOD | UNIT         | M.A.R.V.   |
|------------------|-------------|--------------|------------|
| Grab Tensile     | ASTM D 4632 | lbs          | 255 x 275  |
| Grab Elongation  | ASTM D 4632 | %            | 20 x 15    |
| Trapezoidal Tear | ASTM D 4533 | lbs          | 40 x 50    |
| Puncture         | ASTM D 4833 | lbs          | 135        |
| Mullen Burst     | ASTM D 3786 | psi          | 420        |
| Permittivity     | ASTM D 4491 | sec -1       | 1.5        |
| Water Flow       | ASTM D 4491 | gpm/sq ft    | 200        |
| AOS              | ASTM D 4751 | US Std Sieve | 20         |
| UV Resistance    | ASTM D 4355 | %/hours      | 90/500 hrs |

The Patriot Geosynthetics Grate Bag is a Best Management Practice, which is normally used in conjunction with other BMP's to reduce the impact of sedimentation. Use of The Patriot Geosynthetics Grate Bag as the sole BMP should be limited to those applications where sediment loading within the storm-runoff is minimal. Bags are constructed with tension cable as well as overflow holes that are placed one foot from bottom of bag. The Stronghold Grate Bag is an excellent "final filter" in a well-designed and implemented erosion control system.

