

# Hornet's Nest Drain Inlet Filter

The **Hornet's Nest** drain inlet filter is a unique, under-grate storm drain filter. The oversized base allows the filter to be used with a variety of size and shape grates. The yellow webbing secures the filter to the grate and doubles as lifting straps to quickly and easily remove the filter, grate and all, for simple cleaning. The sediment collection tube has 4 overflow portals to ease congestion during heavy storm events.



• Available as an option is a replaceable, tethered oil absorbent pouch.

## Quick Look

- Material Non woven geotextile (skirt) / woven geotextile (collection tube)
- Strapping Weather resistant 2" polypropylene webbing
- Dimensions 36" x 48" - 60" x 60" - **custom sizing available**

Hornet's Nest Drain Inlet Filter (Skirt) Material Specifications

| PROPERTY                                 | TEST METHOD | ENGLISH                | METRIC                  |
|--|-------------|------------------------|-------------------------|
| <b>MECHANICAL</b>                        |             |                        |                         |
| Tensile Strength (Grab)                  | ASTM D-4632 | 205 lbs                | 0.91 kN                 |
| Elongation                               | ASTM D-4632 | 50%                    | 50%                     |
| Puncture                                 | ASTM D-4833 | 110 lbs                | .049 kN                 |
| Mullen Burst                             | ASTM D-3786 | 350 psi                | 2410 kPa                |
| Trapezoidal Tear                         | ASTM D-4533 | 80 lbs                 | 0.36 kN                 |
| <b>ENDURANCE</b>                         |             |                        |                         |
| UV Resistance                            | ASTM D-4355 | 70% @ 500 hrs          | 70% @ 500 hrs           |
| <b>HYDRAULIC</b>                         |             |                        |                         |
| Apparent Opening Size (AOS) <sup>3</sup> | ASTM D-4751 | 80 US Std. Sieve       | 0.180 mm                |
| Water Flow Rate                          | ASTM D-4491 | 90 gm/ft <sup>2</sup>  | 3657 lpm/m <sup>2</sup> |
| Permittivity                             | ASTM D-4491 | 1.40 sec <sup>-1</sup> | 1.40 sec <sup>-1</sup>  |
| <b>PHYSICAL</b>                          |             |                        |                         |
| Mass Per Unit Area                       | ASTM D-5261 | 8.0 oz/yd <sup>2</sup> | 271.2 g/m <sup>2</sup>  |
| Thickness                                | ASTM D-5199 | 85 mils                | 2.16 mm                 |

Hornet's Nest Drain Inlet Filter (Collection Tube) Material Specifications

|  |                           |                        |                          |
|--|---------------------------|------------------------|--------------------------|
| <b>ORIGIN OF MATERIALS</b>               |                           |                        |                          |
| % U.S. Manufactured Inputs               |                           | 100%                   | 100%                     |
| % U.S. Manufactured                      |                           | 100%                   | 100%                     |
| <b>MECHANICAL</b>                        |                           |                        |                          |
| Tensile Strength (Grab)                  | ASTM D-4632               | 350 x 200 lbs          | 1557 x 890 N             |
| Elongation                               | ASTM D-4632               | 20 x 15%               | 20 x 15%                 |
| Trapezoidal Tear                         | ASTM D-4533               | 110 x 65 lbs           | 489 x 289 N              |
| CBR Puncture                             | ASTM D-4833               | 700 lbs                | 3114 N                   |
| <b>ENDURANCE</b>                         |                           |                        |                          |
| UV Resistance<br>% Retained at 500 hrs   | ASTM D-4355               | 80%                    | 80%                      |
| <b>HYDRAULIC</b>                         |                           |                        |                          |
| Apparent Opening Size (AOS) <sup>3</sup> | ASTM D-4751               | 20 US Std. Sieve       | 0.850 mm                 |
| Permittivity                             | ASTM D-4491               | 2.50 sec <sup>-1</sup> | 2.50 sec <sup>-1</sup>   |
| Percent Open Area                        | CW-02215 Mod <sup>4</sup> | 20%                    | 20%                      |
| Water Flow Rate                          | ASTM D-4491               | 180 gm/ft <sup>2</sup> | 7.334 lpm/m <sup>2</sup> |

Dispose of unit in accordance with applicable Federal, state and local environmental laws and regulations.

The user is solely responsible for the compliance with maintenance and disposal laws and regulations.

The manufacturer or seller assumes no responsibility for proper or improper maintenance or disposal.

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