



# CULTEC No. 410™ Filter Fabric

Use of a non-woven polypropylene filter fabric is required by CULTEC Contactor® and Recharger® stormwater installations. CULTEC Stormwater Systems are typically enveloped top, sides and bottom with filter fabric in order to provide a barrier that prevents soil intrusion into the stone. Covering the bed's top and sides are mandatory; the use of filter fabric on the bottom of the system is up to the engineer's design preference.



Properties	Test Method	Test Results
Appearance		Black
Grab Tensile	D 4632	90 lbs 400 N
Elongation	D 4632	50%
Trapezoid Tear	D 4533	35 lbs 155 N
Puncture	D 4833	55 lbs 245 N
Mullen Burst	D 3786	175 psi 1205 kPa
AOS	D 4751	70 U.S. sieve .21 mm
Permittivity	D 4491	2.0 sec <sup>-1</sup>
Permeability	D 4491	.2 cm/sec
Water Flow	D 4491	145 gal/min/sf 5908 l/min/sq.mt
UV Stability	D 4355	70%

## CULTEC No. 410™ Filter Fabric Specifications

### GENERAL

CULTEC No. 410™ Non-Woven Filter Fabric may be used with CULTEC Contactor® and Recharger® stormwater installations to provide a barrier that prevents soil intrusion into the stone.

### LINER PARAMETERS

1. The filter fabric will be provided by CULTEC, Inc. of Brookfield, CT. (203-775-4416 or 1-800-428-5832)
2. The filter fabric will be black in appearance.
3. The filter fabric will have a Grab Tensile value of 90 lbs (400 N) per ASTM D4632 testing method.
4. The filter fabric will have an Elongation value of 50% per ASTM D4632 testing method.
5. The filter fabric will have a Trapezoid Tear value of 35 lbs (155 N) per ASTM D4533 testing method.
6. The filter fabric will have a Puncture value of 55 lbs (245 N) per ASTM D4833 testing method.
7. The filter fabric will have a Mullen Burst value of 175 psi (1205 kPa) per ASTM D3786 testing method.
8. The filter fabric will have a AOS value of 70 U.S. Sieve (.21 mm) per ASTM D4751 testing method.
9. The filter fabric will have a Permittivity value of 2.0 sec<sup>-1</sup> per ASTM D4491 testing method.
10. The filter fabric will have a Permeability value of .2 cm/sec per ASTM D4491 testing method.
11. The filter fabric will have a Water Flow value of 145 gal/min/sf (5908 l/min/sq. mt) per ASTM D4491 testing method.
12. The filter fabric will have a UV Stability value of 70% per ASTM D4355 testing method.

For more information, contact CULTEC at (203) 775-4416 or visit [www.cultec.com](http://www.cultec.com).