



CULTEC No. 410™ Non-woven Geotextile

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

CULTEC No. 410 is a non-woven needlepunched geotextile made of 100% polypropylene staple filaments. CULTEC No. 410 resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. CULTEC No. 410 will satisfy the requirements as outlined in AASHTO M-288-06 for Class 3 applications and meets the following M.A.R.V. values except where noted:



Properties	ASTM Test Method	Test Results
Appearance		Black
Weight - Typical	D 5261	4.5 oz/sy 142 g/m
Tensile Strength	D 4632	120 lbs 533 N
Elongation @ Break	D 4632	50%
Mullen Burst*	D 3786*	225 psi 1551 kPa
Puncture Strength*	D 4833*	65 lbs 289 N
CBR Puncture	D 6241	340 lbs 1513 N
Trapezoid Tear	D 4533	50 lbs 222 N
AOS	D 4751	70 US Sieve 0.212 mm
Permittivity	D 4491	1.70 Sec ⁻¹
Water Flow Rate	D 4491	135 gal/min/sf 5500 l/min/sm
UV Resistance @ 500 Hours	D 4355	70%

* Historical averages (current values not available): Mullen Burst Strength ASTM D3786 is no longer recognized by ASTM D-35 on Geosynthetics as an acceptable test method. Puncture Strength ASTM D4833 is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D6241.



CULTEC No. 410™ Non-woven Geotextile Specifications

GENERAL

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

GEOTEXTILE PARAMETERS

1. The geotextile will be provided by CULTEC, Inc. of Brookfield, CT. (203-775-4416 or 1-800-428-5832)
2. The geotextile will be black in appearance.
3. The geotextile will have a typical weight of 4.5 oz/sy (142 g/m).
4. The geotextile will have a Tensile Strength value of 120 lbs (533 N) per ASTM D4632 testing method.
5. The geotextile will have an Elongation @ Break value of 50% per ASTM D4632 testing method.
6. The geotextile will have a Mullen Burst value of 225 psi (1551 kPa) per ASTM D3786 testing method.
7. The geotextile will have a Puncture Strength value of 65 lbs (289 N) per ASTM D4833 testing method.
8. The geotextile will have a CBR Puncture value of 340 lbs (1513 N) per ASTM D6241 testing method.
9. The geotextile will have a Trapezoid Tear value of 50 lbs (222 N) per ASTM D4533 testing method.
10. The geotextile will have a AOS value of 70 U.S. Sieve (0.212 mm) per ASTM D4751 testing method.
11. The geotextile will have a Permittivity value of 1.7 sec^{-1} per ASTM D4491 testing method.
12. The geotextile will have a Water Flow Rate value of 135 gal/min/sf (5500 l/min/sm) per ASTM D4491 testing method.
13. The geotextile will have a UV Stability @ 500 Hours value of 70% per ASTM D4355 testing method.