



CULTEC No. 66 Woven Geotextile

CULTEC No. 66 Woven Geotextile is designed to provide an economical solution to prevent scouring at inlets and beneath the CULTEC internal manifold feature. It may also be utilized below the chambers of the CULTEC Separator Row as a barrier to prevent soil/contaminant intrusion and allow maintenance of the water quality system.



CULTEC No. 66 is a woven geotextile of 100% high-tenacity, slit-film polypropylene yarns which are woven into a stable network such that they retain their relative position, and finished with selvage edges to prevent fraying. CULTEC No. 66 achieves higher tensile strengths at low elongation (high modulus), and is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

AASHTO M 288-06: CULTEC No. 66 exceeds the geotextile requirements for SEPARATION / CLASSES 1 and 2 (WOVEN) and STABILIZATION / CLASSES 1 and 2 (WOVEN).

| Properties | Test Method | Test Results |
|--|-------------|---|
| Appearance | | Black |
| Grab Tensile Strength | ASTM D 4632 | 315 lbs 1.40 kN |
| Grab Tensile Elongation | ASTM D 4632 | 15% |
| Mullen Burst | ASTM D 3786 | 600 psi 4138 kPa |
| Trapezoidal Tear | ASTM D4533 | 115 lbs 0.51 kN |
| Puncture | ASTM D 4833 | 150 lbs 0.66 kN |
| CBR Puncture | ASTM D 6241 | 900 lbs 4.00 kN |
| UV Resistance | ASTM D 4355 | 70%@ 500 hrs. |
| Permittivity ¹ | ASTM D 4491 | 0.05 sec ⁻¹ |
| Water Flow Rate ¹ | ASTM D 4491 | 4 gpm/ft ² 160 lpm/m ² |
| Percent Open Area | CW-02215 | <1% |
| Apparent Opening Size (AOS) ¹ | ASTM D 4751 | 40 US Std. Sieve 0.425 mm |

¹At the time of manufacturing. Handling, storage and shipping may change these properties.
 • Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV), are calculated as the Typical minus two standard deviations and are based on a 97.7% confidence level.
 • The properties reported above are effective 07/01/10 and are subject to change without notice.



CULTEC No. 66 Woven Geotextile Specifications

GENERAL

CULTEC No. 66 Woven Geotextile is designed as a underlayment to prevent scouring caused by water movement within the CULTEC chambers and feed connectors utilizing the CULTEC manifold feature. It may also be used as a component of the CULTEC Separator Row to act as a barrier to prevent soil/contaminant intrusion into the stone while allowing for maintenance.

GEOTEXTILE PARAMETERS

1. The geotextile shall be provided by CULTEC, Inc. of Brookfield, CT. (203-775-4416 or 1-800-428-5832)
2. The geotextile shall be black in appearance.
3. The geotextile shall have a tensile strength of 315 lbs (1.40kN) per ASTM D4632 testing method.
4. The geotextile shall have a tensile elongation resistance of 15% per ASTM D4632 testing method.
5. The geotextile shall have a mullen burst resistance of 600psi (4138 kPa) per ASTM D3786 testing method.
6. The geotextile shall have a tear resistance of 115 lbs (0.51 kN) per ASTM D4533 testing method.
7. The geotextile shall have a puncture resistance of 150 lbs (0.66 kN) per ASTM D4833 testing method.
8. The geotextile shall have a CBR puncture resistance of 900 lbs (4.00 kN) per ASTM D6241 testing method.
9. The geotextile shall have a UV resistance of 70% @ 500 hrs. per ASTM D4355 testing method.
10. The geotextile shall have a permittivity rating of 0.05 sec-1 per ASTM D4491 testing method.
11. The geotextile shall have a water flow rating of 4 gpm/ft² (160 lpm/m²) per ASTM D4491 testing method.
12. The geotextile shall have a percent open area of <1% per CW-02215 testing method.
13. The geotextile shall have an apparent opening size of 40 US Std. Sieve (0.425 mm) per ASTM D4751 testing method.
14. The geotextile shall consist of a 100% high-tenacity, silt-film polypropylene yarns.