



CULTEC No. 4800™ Woven Geotextile

CULTEC No. 4800™ 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. 4800 is a woven geotextile made of 100% high-tenacity polypropylene yarns. CULTEC No. 4800 resists ultraviolet and biological deterioration, rotting, naturally encountered bases and acids. Polypropylene is stable within a pH range of 2 to 13. US 4800 meets the following M.A.R.V. values except where noted:

Properties	ASTM Test Method	Test Results
Appearance		Black
Tensile Strength	D 4632	550 x 550 lbs 2,448 x 2,448 N
Elongation @ Break	D 4632	20 x 20%
Wide Width Tensile	D 4595	5,070 x 5,070 lbs/ft 74 x 74 kN/m
Wide Width Tensile @ 2% Strain	D 4595	960 x 1,096 lbs/ft 14 x 16 kN/m
Wide Width Tensile @ 5% Strain	D 4595	2,740 x 2,740 lbs/ft 40 x 40 kN/m
Wide Width Tensile @10% Strain	D 4595	4,800 x 4,800 lbs/ft 70 x 70 kN/m
CBR Puncture	D 6241	1,700 lbs 7,560 N
Trapezoidal Tear	D 4533	180 x 180 lbs 801 x 801 N
Apparent Opening Size	D 4751	40 US Sieve 0.425 mm
Permittivity	D 4491	0.15 Sec-1
Water Flow Rate	D 4491	11.5 g/min/sf 470 l/min/sm
UV Resistance @ 500 Hours	D 4355	80%



CULTEC No. 4800 Woven Geotextile Specifications

GENERAL

CULTEC No. 4800 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 550 x 550 lbs (2,448 x 2,448 N) per ASTM D4632 testing method.
4. The geotextile shall have an elongation @ break resistance of 20 x 20% per ASTM D4632 testing method.
5. The geotextile shall have a wide width tensile resistance of 5,070 x 5,070 lbs/ft (74 x 74 kN/m) per ASTM D4595 testing method.
6. The geotextile shall have a wide width tensile resistance @ 2% strain of 960 x 1,096 lbs/ft (14 x 16 kN/m) per ASTM D4595 testing method.
7. The geotextile shall have a wide width tensile resistance @ 5% strain of 2,740 x 2,740 lbs/ft (40 x 40 kN/m) per ASTM D4595 testing method.
8. The geotextile shall have a wide width tensile resistance @ 10% strain of 4,800 x 4,800 lbs/ft (70 x 70 kN/m) per ASTM D4595 testing method.
9. The geotextile shall have a CBR puncture resistance of 1,700 lbs (7,560 N) per ASTM D6241 testing method.
10. The geotextile shall have a trapezoidal tear resistance of 180 x 180 lbs (801 x 801 N) per ASTM D4533 testing method.
11. The geotextile shall have an apparent opening size of 40 US Std. Sieve (0.425 mm) per ASTM D4751 testing method.
12. The geotextile shall have a permittivity rating of 0.15 sec-1 per ASTM D4491 testing method.
13. The geotextile shall have a water flow rating of 11.5 gpm/ft² (470 lpm/m²) per ASTM D4491 testing method.
14. The geotextile shall have a UV resistance of 80% @ 500 hrs. per ASTM D4355 testing method.