



Hydraway is a geocomposite subsurface drainage solution that’s composed of a structured high-density polyethylene (HDPE) perforated core that is thermally bonded to a geotextile filter fabric.

The geotextile allows water to pass through while retaining backfill materials. The perforated core allows water collection from all sides and provides a continuous flow path.

Hydraway provides a value engineered solution to the conventional perforated pipe and aggregate subsurface drainage systems. This solution is more durable as it prevents clogs, fungal growth, and disintegration.

Hydraway comes in widths of 6 and 12 inches with a standard length of 150 feet. It can be customized in a variety of lengths and widths upon request.

PROPERTY	TEST METHOD	UNIT OF MEASUREMENT	HY206-A150	HY211-A150
Size		in x ft	6x150	12X150
GEOTEXTILE¹ – NEEDLE-PUNCTURED, NONWOVEN				
Elongation	ASTM D-4632-91	%	50	50
Grab Tensile	ASTM D-4632-91	LBS	120	120
Puncture Strength	ASTM D-4833-00	LBS	65	65
Mullen Burst Strength	ASTM D-3756-87	PSI	225	225
Trapezoidal Tear	ASTM D-4533-91	LBS	50	50
Wide width Tensile	ASTM D-4595	LBS/IN	50	50
UV Resistance ²	ASTM D-4355-02	%	70	70
Permitivity	ASTM D-4491-99A	SEC	1.8	1.8
Permeability	ASTM D-4751-99A ₄	CM/SEC	.21	.21
Flow Rate	ASTM D-4491	GAL/MIN/FT ² ₄	135	135
AOS (EOS)	ASTM D-4751-99A	US STANDARD SIEVE	70	70
CORE – HDPE				
Compressive Strength	ASTM D-695/1621 ₅	PSF	11,400	11,400
Flow Rate at 1,500 PSF	ASTM D-47162 ₃	GPM/ft-width	21	21
Peel Strength ³	ASTM D-1876	lbs/ft-width	50	50

1. 4oz fabric

2. Based on 500 hours of testing

3. Gradient of 0.1.

4. Values shown are in weaker principal direction. Minimum average roll values are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.

5. Modification was made to an existing ASTM test since a recognized test method had not been established for this type of product at time of testing.