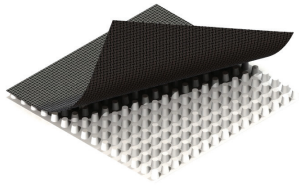




SITEDRAIN™ SHEET 186-W

PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SITEDRAIN Sheet 186-W geocomposite drain is composed of a dimpled polymeric core with a woven monofilament geotextile bonded to the dimple side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits.

SITEDRAIN Sheet 186-W is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and the performance properties of a woven monofilament geotextile.

PROPERTY ¹	TEST METHOD	UNIT OF MEASURE	Typical Value	MARV
GEOTEXTILE				
Material ²			PP, WM	PP, WM
Survivability	AASHTO M288	Class	-	-
Grab Tensile Strength	ASTM D4632	lbs	430 x 240	365 x 200
		N	1,914 x 1,068	1,624 x 890
Grab Elongation	ASTM D4632	%	30 x 15	24 x 10
CBR Puncture	ASTM D6241	lbs	800	675
		N	3,560	3,004
Trapezoidal Tear	ASTM D4533	lbs	180 x 130	115 x 75
		N	801 x 579	512 x 334
UV Resistance	ASTM D4355	% / 500 Hrs	90	90
Apparent Opening Size (AOS) ³	ASTM D4751	sieve	50	40
		mm	0.300	0.425
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.1
Water Flow Rate	ASTM D4491	gpm / ft ²	195	145
		Lpm / m ²	7,944	5,907
CORE				
Compressive Strength	ASTM D6364	psf	18,000	-
	ASTM D1621	kPa	862	-
Thickness	ASTM D5199	in	0.4	-
		mm	10	-
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	21	-
		Lpm/m	261	-
COMPOSITE				
Available Roll Sizes	Dimensions (ft)	Weight (lbs)	AWD Item Code	
	4 x 50	48	16420	
	6 x 50	74	16370	

¹ Unless otherwise noted, all physical and performance properties listed are Typical Value or Minimum Average Roll Value (MARV) as defined in ASTM D4439.

² PP = Polypropylene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

⁴ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.