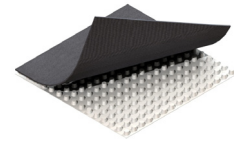


SITEDRAIN™ SHEET 118

PREFABRICATED SHEET DRAINS

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PRODUCT OVERVIEW

SITEDRAIN Sheet 118 prefabricated drains are constructed using a formed polystyrene core with a nonwoven filter fabric bonded to one side. The filter fabric is bonded to each dimple to prevent soil intrusion into the core flow channels while allowing water to freely enter the drain core. The core provides an uninterrupted path for water to flow to designated drainage exits.

SITEDRAIN Sheet 118 is an economical solution for sub-surface, single-sided drainage applications requiring moderate strength and flow capacity. SITEDRAIN Sheet 118 is constructed using an AASHTO M 288-06 Class 1 filter fabric.

TECHNICAL DATA

FABRIC	ASTM TEST METHOD	UNIT OF MEASURE	TYPICAL VALUES
Material ¹			PP
Water Flow Rate	D-4491	gpm/ft ²	90
		Lpm/m ²	3,668
Grab Tensile Strength	D-4632	lbs	205
		N	912
Puncture Resistance	D-4833	lbs	120
		N	534
Apparent Opening Size	D-4751	sieve	80
		mm	0.177
Permittivity	D-4491	sec ⁻¹	1.3
Grab Elongation	D-4632	%	70
UV Resistance	D-4355	% / 500 Hrs	70
AASHTO M 288-06 ²	Survivability	-	Class 1

CORE

Material ¹			HIPS
Thickness	D-1777	in	.25
		mm	6.35
Compressive Strength	D-1621	psf	11,000
		kPA	527
Flow Rate ³	D-4716	gpm/ft	12.5
		Lpm/m	155

1 - PP = Polypropylene; HIPS = High Impact Polystyrene

2 - AASHTO Designation: M 288-06 Standard Specification for Highway Applications; American Association of State Highway and Transportation Officials, 2006. Geotextile survivability classification from installation stresses in subsurface drainage applications.

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



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