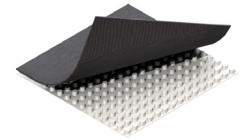


# SITEDRAIN™ SHEET 90 SERIES

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## PREFABRICATED SHEET DRAINS



### PRODUCT OVERVIEW

SITEDRAIN Sheet 90 Series 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 90 Series is an economical solution for sub-surface, single-sided drainage applications requiring moderate strength and flow capacity. SITEDRAIN Sheet 90 is available with filter fabrics meeting AASHTO M 288-06 specifications.

Typical Property Values	ASTM Test Method	Unit of Measure	90	94	96	98
<b>FABRIC</b>						
Material <sup>1</sup>			PP	PP	PP	PP
Water Flow Rate	D-4491	gpm/ft <sup>2</sup>	190	150	110	90
		Lpm/m <sup>2</sup>	7,743	6,113	4,483	3,668
Grab Tensile Strength	D-4632	lbs	90	130	160	205
		N	400	578	712	912
Puncture Resistance	D-4833	lbs	35	75	90	120
		N	156	334	400	534
Apparent Opening Size	D-4751	sieve	50	70	70	80
		mm	0.297	0.210	0.210	0.177
Permittivity	D-4491	sec <sup>-1</sup>	2.8	2.1	1.8	1.3
Grab Elongation	D-4632	%	65	70	70	70
UV Resistance	D-4355	% / 500 Hrs	70	70	70	70
AASHTO M 288-06 <sup>2</sup>	Survivability	-	-	Class 3	Class 2	Class 1
<b>CORE</b>						
Material <sup>1</sup>			HIPS	HIPS	HIPS	HIPS
Thickness	D-1777	in	.25	.25	.25	.25
		mm	6.35	6.35	6.35	6.35
Compressive Strength	D-1621	psf	9,000	9,000	9,000	9,000
		kPA	431	431	431	431
Flow Rate <sup>3</sup>	D-4716	gpm/ft	12.5	12.5	12.5	12.5
		Lpm/m	155	155	155	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.



1209 Airport Road, Monroe, NC 28110  
 TF 800.242.WICK • PH 704.238.9200  
 FX 704.238.0220 • info@americanwick.com

