

SITEDRAIN™ STRIP 9000 SERIES

PREFABRICATED STRIP DRAINS

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PRODUCT OVERVIEW

SITEDRAIN Strip 9000 Series prefabricated soil drains are constructed by fully wrapping a perforated, high strength, high flow capacity polystyrene core with a nonwoven filter fabric. The filter fabric is bonded to the core and prevents soil intrusion into the flow channels while allowing water to freely enter the drain core from all sides.

SITEDRAIN Strip 9000 is designed as a cost-effective, sustainable, performance driven alternative to perforated pipe & stone systems. SITEDRAIN Strip 9000 is available with filter fabrics meeting AASHTO M 288-06 specifications.

Typical Property Values	ASTM Test Method	Unit of Measure	9000	9400	9600	9800	9400-T
FABRIC							
Material ¹			PP	PP	PP	PP	PP
Water Flow Rate	D-4491	gpm/ft ²	150	150	110	90	80
		Lpm/m ²	6,113	6,113	4,483	3,668	3,260
Grab Tensile Strength	D-4632	lbs	115	130	160	205	145
		N	512	578	712	912	645
Puncture Resistance	D-4833	lbs	70	75	90	120	50
		N	311	334	400	534	222
Apparent Opening Size	D-4751	sieve	70	70	70	80	80
		mm	0.210	0.210	0.210	0.177	0.177
Permittivity	D-4491	sec ⁻¹	2.2	2.1	1.8	1.3	1.0
Grab Elongation	D-4632	%	70	70	70	70	60
UV Resistance	D-4355	% / 500 Hrs	70	70	70	70	70
AASHTO M 288-06 ²	Survivability	-	-	Class 3	Class 2	Class 1	Class 3
CORE							
Material ¹			HIPS	HIPS	HIPS	HIPS	HIPS
Thickness	D-1777	in	1.0	1.0	1.0	1.0	1.0
		mm	25.4	25.4	25.4	25.4	25.4
Compressive Strength	D-1621	psf	9,000	9,000	9,000	9,000	9,000
		kPa	431	431	431	431	431
Flow Rate ³	D-4716	gpm/ft	21	21	21	21	21
		Lpm/m	261	261	261	261	261

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 0.1.



AWD
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