

TerraDrain® Strip 680

TerraDrain® Strip 680 prefabricated soil drains are constructed by fully wrapping a perforated, 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.

TerraDrain® Strip 680 products offer a cost effective, sustainable, performance driven alternative to costly perforated pipe and stone systems. TerraDrain® Strip 680 is available with filter fabrics meeting ASSHTO M 288-06 Class 1, 2 or 3 specifications.

PROPERTY	TEST METHOD	ENGLISH	METRIC
Fabric			
Material ¹		PP	PP
Water Flow Rate	ASTM D4491	90 gpm/ft²	3668 Lpm/m²
Grab Tensile Strength	ASTM D4632	205 lbs	0.912 kN
CBR Puncture Resistance	ASTM D6241	600 lbs	2.66 kN
Apparent Opening Size	ASTM D4571	80 US Std. Sieve	0.177 mm
Permittivity	ASTM D4491	1.3 sec⁻¹	1.3 sec⁻¹
Grab Elongation	ASTM D4632	70 %	70 %
UV Resistance	ASTM D4355	70 % @ 500 hrs	70 % @ 500 hrs
AASHTO M 288-06 ²	Survivability	Class 1	Class 1
Core			
Material ¹		PP	PP
Thickness	ASTM D1777	1.0 in	25.4 mm
Compressive Strength	ASTM D1621	6000 lbs/ft²	287 kPa
Flow Rate ³	ASTM D4716	21 gpm/ft	261 Lpm/m

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.

DISCLAIMER: Descriptions regarding the products described herein are based solely upon information provided by the manufacturer and are provided for informational purposes only. **NOTHING CONTAINED HEREIN SHOULD BE CONSTRUED AS CREATING AN EXPRESSED OR IMPLIED WARRANTY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS, EACH OF WHICH IS HEREBY DISCLAIMED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.** The final determination as to the suitability of any product of Hanes Geo Components in any particular application rests solely with the user. Hanes Geo Components reserves the right to alter or modify its products and descriptions at any time without notice.