

TerraDrain® Sheet 100/2

TerraDrain® Sheet 100/2 prefabricated drains are constructed using a perforated, high strength, high flow capacity, formed polystyrene drainage core with a nonwoven filter fabric bonded to both sides. The filter fabric prevents soil intrusion into the flow channels while allowing water to freely enter the drain core from both sides.

TerraDrain® Sheet 100/2 products are designed for subsurface, double-sided drainage applications requiring a high compressive strength and flow capacity. TerraDrain® Sheet 100/2 is available with filter fabrics meeting AASHTO M 288-06 specifications.

PROPERTY	TEST METHOD	ENGLISH	METRIC
Fabric			
Material ¹		PP	PP
Water Flow Rate	ASTM D4491	190 gpm/ft²	7743 Lpm/m²
Grab Tensile Strength	ASTM D4632	90 lbs	0.400 kN
CBR Puncture Resistance	ASTM D6241	225 lbs	1.00 kN
Apparent Opening Size	ASTM D4571	50 US Std. Sieve	0.297 mm
Permittivity	ASTM D4491	2.8 sec⁻¹	2.8 sec⁻¹
Grab Elongation	ASTM D4632	65 %	65 %
UV Resistance	ASTM D4355	70 % @ 500 hrs	70 % @ 500 hrs
Core			
Material ¹		HIPS	HIPS
Thickness	ASTM D1777	0.44 in	11 mm
Compressive Strength	ASTM D1621	15000 lbs/ft²	732 kPa
Flow Rate ²	ASTM D4716	21 gpm/ft	261 Lpm/m

¹ PP = Polypropylene; HIPS = High Impact Polystyrene

² 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.