

# TerraDrain® Strip 940

TerraDrain® Strip 940 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.

TerraDrain® Strip 940 products offer a cost effective, sustainable, performance driven alternative to costly perforated pipe and stone systems. TerraDrain® Strip 940 is available with filter fabrics meeting ASSHTO M 288-06 Class 1, 2 or 3 specifications.

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Fabric</b>			
Material <sup>1</sup>		<b>PP</b>	<b>PP</b>
Water Flow Rate	ASTM D4491	<b>150 gpm/ft<sup>2</sup></b>	<b>6113 Lpm/m<sup>2</sup></b>
Grab Tensile Strength	ASTM D4632	<b>130 lbs</b>	<b>0.578 kN</b>
CBR Puncture Resistance	ASTM D6241	<b>360 lbs</b>	<b>1.55 kN</b>
Apparent Opening Size	ASTM D4571	<b>70 US Std. Sieve</b>	<b>0.210 mm</b>
Permittivity	ASTM D4491	<b>2.1 sec<sup>-1</sup></b>	<b>2.1 sec<sup>-1</sup></b>
Grab Elongation	ASTM D4632	<b>70 %</b>	<b>70 %</b>
UV Resistance	ASTM D4355	<b>70 % @ 500 hrs</b>	<b>70 % @ 500 hrs</b>
AASHTO M 288-06 <sup>2</sup>	Survivability	<b>Class 3</b>	<b>Class 3</b>
<b>Core</b>			
Material <sup>1</sup>		<b>PP</b>	<b>PP</b>
Thickness	ASTM D1777	<b>1.0 in</b>	<b>25.4 mm</b>
Compressive Strength	ASTM D1621	<b>9000 lbs/ft<sup>2</sup></b>	<b>431 kPa</b>
Flow Rate <sup>3</sup>	ASTM D4716	<b>21 gpm/ft</b>	<b>261 Lpm/m</b>

<sup>1</sup> PP = Polypropylene; HIPS = High Impact Polystyrene

<sup>2</sup> 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.

<sup>3</sup> 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.