

# TerraDrain® Sheet 58

TerraDrain® Sheet 58 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.

TerraDrain® Sheet 58 is an economical solution for sub-surface, single-sided drainage applications requiring moderate strength and flow capacity. TerraDrain® Sheet 58 is available with filter fabrics meeting AASHTO M 288-06 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>90 gpm/ft<sup>2</sup></b>	<b>3668 Lpm/m<sup>2</sup></b>
Grab Tensile Strength	ASTM D4632	<b>205 lbs</b>	<b>0.912 kN</b>
CBR Puncture Resistance	ASTM D6241	<b>600 lbs</b>	<b>2.66 kN</b>
Apparent Opening Size	ASTM D4571	<b>80 US Std. Sieve</b>	<b>0.177 mm</b>
Permittivity	ASTM D4491	<b>1.3 sec<sup>-1</sup></b>	<b>1.3 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 1</b>	<b>Class 1</b>
<b>Core</b>			
Material <sup>1</sup>		<b>HIPS</b>	<b>HIPS</b>
Thickness	ASTM D1777	<b>0.25 in</b>	<b>6.35 mm</b>
Compressive Strength	ASTM D1621	<b>11000 lbs/ft<sup>2</sup></b>	<b>527 kPa</b>
Flow Rate <sup>3</sup>	ASTM D4716	<b>12.5 gpm/ft</b>	<b>155 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.

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