TerraDrain® Strip 900

TerraDrain® Strip 900 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 900 products offer a cost effective, sustainable, performance driven alternative to costly perforated pipe and stone systems. TerraDrain® Strip 900 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	150 gpm/ft^2	6113 Lpm/m^2
Grab Tensile Strength	ASTM D4632	115 lbs	0.512 kN
CBR Puncture Resistance	ASTM D6241	320 lbs	1.41 kN
Apparent Opening Size	ASTM D4571	70 US Std. Sieve	0.210 mm
Permittivity	ASTM D4491	2.2 sec^{-1}	2.2 sec^{-1}
Grab Elongation	ASTM D4632	70 %	70 %
UV Resistance	ASTM D4355	70 % @ 500 hrs	70 % @ 500 hrs
Core			
Material [1]		PP	PP
Thickness	ASTM D1777	1.0 in	25.4 mm
Compressive Strength	ASTM D1621	9000 lbs/ft^2	431 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.