



TerraDrain 101XL

TerraDrain 101XL is a two-part prefabricated geocomposite drain, consisting of a formed polystyrene core covered on one side with a nonwoven needle-punched polypropylene filter fabric. The fabric allows water to pass into the drain core while restricting the movement of soil particles that might clog the core. The core allows the water to flow to designated drainage exits. **TerraDrain 101XL** is non-biodegradable and resistant to most soil chemicals, acids, and alkalies with a pH range of 3 to 12. **TerraDrain 101XL** is manufactured to meet or exceed the following requirements:

Property	Test Method	Value	Value
Fabric Properties			
Material		Polypropylene	Polypropylene
Tensile Strength	ASTM D-4632	165 lbs.	734 N
Tensile Elongation	ASTM D-4632	50%	50%
Puncture Strength	ASTM D-4833	95 lbs.	422 N
Mullen Burst Strength	ASTM D-3786	310 psi	2060 kPa
Trapezoid Tear Strength	ASTM D-4533	65 lbs.	289 N
AOS	ASTM D-4751	80 US Sieve	175 microns
Permittivity	ASTM D-4491	2.1 sec-1	2.1 sec-1
Permeability	ASTM D-4491	0.09 in/sec	.25 cm/sec
Water Flow Rate	ASTM D-4491	120 gpm/ft ²	4880 l/min/m ²
UV Resistance (Strength retained @ 500 hours)	ASTM D-4355	70%	70%
Core Properties			
Material		Polystyrene	Polystyrene
Thickness		7/16 in	11 mm
Compressive Strength	ASTM D-1621 (mod.)	16,500 lbs/ft ²	732 kN/m ²
Drain Properties			
Flow Capacity	ASTM D-4716	16 gpm/ft of width	200 L/min/m of width

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