

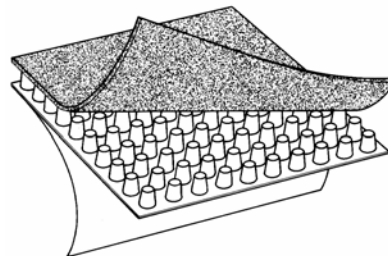
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# PolyDrain Sheet Drain

DESIGNED FOR USE WITH SYNTHETIC TURF SYSTEMS

**PolyDrain** is a high compressive strength, moisture conducting, non-absorbent geocomposite drain made from recycled materials. **PolyDrain** is a three-part pre-fabricated system that consists of a formed polystyrene core covered on one side with a non-woven polypropylene filter fabric and on the other side with a cushioning fabric. The filter fabric allows water to pass freely into the core while restricting any movement of rubber or other particles that might clog the core. The cushioning fabric is used for sound-dampening. The core provides a high compressive strength structure that allows water to flow to designated exits. The use of **PolyDrain** greatly reduces risk factors associated with poor subsurface soils. Installation provides an uninterrupted vertical-to-horizontal flow path for superior rainfall evacuation and enhanced Gmax performance without changing the ball action or feel under-foot.



Patent Pending

## INSTALLATION:

PolyDrain rolls are 4ft in width and are available in custom lengths up to 120ft based on field design. Each drain section terminates in the perimeter curtain drain. PolyDrain rolls can be connected by overlapping or taping the core flange.

<u>Typical properties</u>	<u>US</u>	<u>SI</u>	<u>Test method</u>
<i>Filter Fabric properties</i>			
Material	Polypropylene	Polypropylene	
Grab tensile strength	110 lbs	485 N	ASTM D4632
Puncture strength	65 lbs	285 N	ASTM D3787
Trapezoidal tear	50 lbs	220 N	ASTM D4533
Mullen burst strength	215 psi	1430 kPa	ASTM D3786
Elongation	60%	60%	ASTM D4632
EOS (AOS)	70 sieve	212 micron	ASTM D4751
Permittivity	1.6 sec <sup>-1</sup>	1.6 sec <sup>-1</sup>	ASTM D4491
Permeability	0.01 ft/sec	0.3 cm/sec	ASTM D4491
Flow rate	150 gpm/ft <sup>2</sup>	6110 lpm/m <sup>2</sup>	ASTM D4491
<i>Core properties</i>			
Material	Polystyrene	Polystyrene	
Thickness	7/16 in	11 mm	
Comp. Strength	30,000 lbs/ft <sup>2</sup>	1220 kN/m <sup>2</sup>	ASTM D1621(Mod)
Flow capacity	16 gpm/ft	200 lpm/m	ASTM D4716
per unit width			
Expansion Coefficient	4.42 x10 <sup>-5</sup> in/in per °C		

All information, drawings and specifications are based on the latest product information available at the time of printing. Constant improvement and engineering progress make it necessary that we reserve the right to make changes without notice. All physical properties are typical values. Standard variations in mechanical properties of 10% and in hydraulic properties of 20% are normal.

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