



AT THE CORE:
 A 6.0 mm thick HyperDrain geonet heat-laminated on one or both sides with a nonwoven needlepunched geotextile.

GSE FabriDrain 6.0 mm Geocomposite

GSE FabriDrain geocomposite consists of a 6.0 mm thick GSE HyperDrain geonet heat-laminated on one or both sides with a nonwoven needle-punched geotextile. The HyperDrain 6.0mm is comprised of a tri-planar structure consisting of middle ribs that provide direct channelized flow, with diagonally placed top and bottom ribs. The geotextile is available in mass per unit area of 200 g/m² and 270 g/m². FabriDrain 6.0 mm geocomposite provides high transmissivity under high and low loads.

Product Specifications

Tested Property		Test Method	Unit	Value	
Geocomposite				200 g/m ²	270 g/m ²
Transmissivity ^(b,c,d)	20kPa	Double Sided Single Sided	ASTM D4716	m ² /s	1.03E-03 1.33E-03
	100kPa	Double Sided Single Sided			7.60E-04 1.04E-03
	200kPa	Double Sided Single Sided			6.10E-04 9.22E-04
Ply Adhesion ^(d)		ASTM D7005	kN/m	0.17	0.17
Geonet ^(*)					
Geonet Core Thickness ^(d)		ASTM D5199	mm	6.0	6.0
Density ^(d)		ASTM D792	g/cm ³	0.94	0.94
Tensile Strength (MD) ^(b,d)		ASTM D7179	kN/m	9.2	9.2
Carbon Black Content ^(d)		ASTM D1603	%	2.0	2.0
Geotextiles ^(*)					
Mass Per Unit Area ^(d)		ASTM D5261	g/m ²	200	270
Grab Tensile Strength ^(d)		ASTM D4632	N	710	975
Grab Elongation ^(a)			%	60	60
CBR Puncture Strength ^(d)		ASTM D6241	kN	1.89	2.5
Trapezoid Tear Strength ^(d)		ASTM D4533	kN	0.31	0.42
Permittivity ^(d)		ASTM D4491	sec ⁻¹	1.3	1.3
Water Flow Rate ^(d)			l/m ² /s	65	65
UV Resistance ^(d)		ASTM D4355	% retained	70	70
Apparent Opening Size ^(e)		ASTM D4751	mm	0.212	0.18
Roll Dimensions					
Roll Width ^(f)	Double Sided		m	3.8	3.8
	Single Sided			3.8	3.8
Roll Length ^(f)	Double Sided		m	50	50
	Single Sided			50	50
Roll Area	Double Sided		m ²	190	190
	Single Sided			190	190
Truck Load	Double Sided		roll	27	21
	Single Sided			29	26
Container Load	Double Sided		roll	27	21
	Single Sided			29	26

NOTES:

- (*): Component properties prior to lamination
- (a): Typical values;
- (b): Machine direction;
- (c): Transmissivity values determined at i=1.0 and 2.0mm HDPE linear boundary condition. Water @ 21±2°C;
- (d): Minimum average value
- (e): Maximum Average Value
- (f): Roll Length/Roll width is custom-made (Geotextile width is 4.2m)

GSE is a leading manufacturer and marketer of geosynthetic lining products and services. We've built a reputation of reliability through our dedication to providing consistency of product, price and protection to our global customers.

Our commitment to innovation, our focus on quality and our industry expertise allow us the flexibility to collaborate with our clients to develop a custom, purpose-fit solution.

[DURABILITY RUNS DEEP] For more information on this product and others, please visit us at GSEworld.com, call 66.2.937.0091 or contact your local sales office.

