

GSE FabriNet TRxH Geocomposite

GSE FabriNet TRxH (Tri-axial High-flow), a member of the GSE Advanced Drainage Geocomposite family, is manufactured with a GSE HyperNet TRxH geonet core heat-bonded on one or both sides with a nonwoven geotextile. GSE FabriNet TRxH achieves high in-situ transmissivity from optimally oriented flow channels that maintain porosity because of the intrusion- and creep-resistant nature of the tri-axial geonet structure. GSE FabriNet TRxH provides exceptionally high flow performance over a broad range of conditions, such as surface water collection and removal, gas venting and landfill drainage systems. Please contact GSE for 100-hour performance transmissivity value for use in design.



AT THE CORE:
A tri-axial high flow geocomposite manufactured with a GSE HyperNet TRxH geonet heat-bonded on one or both sides with a non-woven needlepunched geotextile.

Product Specifications

Tested Property	Test Method	Frequency	Minimum Average Roll Value ⁽¹⁾		
Geocomposite			6 oz/yd²	8 oz/yd²	10 oz/yd²
Transmissivity ⁽²⁾ , gal/min/ft (m ² /sec) Double-Sided Composite Single-Sided Composite	ASTM D 4716	1/540,000 ft ²	19.2 (4 x 10 ⁻³) 24.0 (5 x 10 ⁻³)	19.2 (4 x 10 ⁻³) 24.0 (5 x 10 ⁻³)	19.2 (4 x 10 ⁻³) 24.0 (5 x 10 ⁻³)
Ply Adhesion, lb/in	ASTM D 7005	1/50,000 ft ²	1.0	1.0	1.0
Geonet Core ⁽³⁾ - GSE HyperNet TRxH					
Transmissivity ⁽²⁾ , gal/min/ft (m ² /sec)	ASTM D 4716		48.0 (1 X 10 ⁻²)	48.0 (1 X 10 ⁻²)	48.0 (1 X 10 ⁻²)
Density, g/cm ³	ASTM D 1505	1/50,000 ft ²	0.94	0.94	0.94
Tensile Strength (MD), lb/in	ASTM D 5035/7179	1/50,000 ft ²	80	80	80
Carbon Black Content, %	ASTM D 1603 ⁽⁶⁾ /4218	1/50,000 ft ²	2.0	2.0	2.0
Geotextile^(3,4)					
Mass per Unit Area, oz/yd ²	ASTM D 5261	1/90,000 ft ²	6	8	10
Grab Tensile, lb	ASTM D 4632	1/90,000 ft ²	160	220	260
Puncture Strength, lb	ASTM D 4833	1/90,000 ft ²	90	120	165
AOS, US sieve (mm)	ASTM D 4751	1/540,000 ft ²	70 (0.212)	80 (0.180)	100 (0.150)
Permittivity, sec ⁻¹	ASTM D 4491	1/540,000 ft ²	1.5	1.3	1.0
Flow Rate, gpm/ft ²	ASTM D 4491	1/540,000 ft ²	110	95	75
UV Resistance, % retained	ASTM D 4355 (after 500 hours)	per formulation	70	70	70
NOMINAL ROLL DIMENSIONS					
Geonet Core Thickness, mil	ASTM D 5199	1/50,000 ft ²	340	340	340
Roll Width ⁽⁵⁾ , ft			15	15	15
Roll Length ⁽⁵⁾ , ft	Double-Sided Composite Single-Sided Composite		160 170	150 170	140 160
Roll Area, ft ²	Double-Sided Composite Single-Sided Composite		2,400 2,550	2,250 2,550	2,100 2,400

[Product specifications continued on back]



AT THE CORE:

A tri-axial high flow geocomposite manufactured with a HyperNet TRxH geonet heat-bonded on one or both sides with a non-woven needlepunched geotextile.

Product Specifications [continued]

NOTES:

- ⁽¹⁾AOS in mm is a maximum average roll value.
- ⁽²⁾Gradient of 0.1, normal load of 10,000 psf, water at 70°F between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- ⁽³⁾Component properties prior to lamination.
- ⁽⁴⁾Refer to geotextile product data sheet for additional specifications.
- ⁽⁵⁾Roll widths and lengths have a tolerance of ±1%.
- ⁽⁶⁾Modified.

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 800.435.2008 or contact your local sales office.