



The Pioneer Of Geosynthetics  
S I N C E 1 9 7 2

## GSE HyperNet TRx Geonet

GSE HyperNet TRx high flow geonet is produced with a unique one-step coextrusion process that generates a tri-axial geonet structure with creep resistant columns connected to an intrusion resistant roof. GSE HyperNet TRx 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 structure. This product provides continuous performance over a broad range of conditions. It is also well suited for use in surface water collection and removal systems, gas venting, and landfill liner system drainage applications.

### Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE
Transmissivity <sup>(1)</sup> , gal/min/ft (m <sup>2</sup> /sec)	ASTM D 4716	1/540,000 ft <sup>2</sup>	43.5 (9.0 x10 <sup>3</sup> )
Density, g/cm <sup>3</sup>	ASTM D 1505	1/50,000 ft <sup>2</sup>	> 0.94
Tensile Strength <sup>(2)</sup> , lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft <sup>2</sup>	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft <sup>2</sup>	> 2.0
NOMINAL ROLL DIMENSIONS			
Geonet Thickness, mil (mm)	ASTM D 5199	1/50,000 ft <sup>2</sup>	300 (7.6)
Roll Width <sup>(3)</sup> , ft (m)			15 (4.5)
Roll Length <sup>(3)</sup> , ft (m)			200 (60)
Roll Area, ft <sup>2</sup> (m <sup>2</sup> )			3,000 (279)

#### NOTES:

- <sup>(1)</sup>This is an index transmissivity value measured at stress = 1,000 psf; gradient = 0.1; time = 15 minutes; boundary conditions = plate/geonet/plate. Contact GSE for performance transmissivity value for use in design.
- <sup>(2)</sup>Tested in machine direction (MD).
- <sup>(3)</sup>Roll widths and lengths have a tolerance of ±1%.
- \*Modified.