



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

NOTES:

- ⁽¹⁾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.
- ⁽²⁾Tested in machine direction (MD).
- ⁽³⁾Roll widths and lengths have a tolerance of ±1%.
- *Modified.