



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

GSE HyperNet Geonet

GSE HyperNet geonet is a synthetic drainage material manufactured from a premium grade high density polyethylene (HDPE) resin. The structure of the HyperNet geonet is formed specifically to transmit fluids uniformly under a variety of field conditions. The geonet is formulated to be resistant to ultraviolet light for a period of time necessary to complete the installation.

Product Specifications

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE			
			HyperNet	HyperNet HF	HyperNet HS	HyperNet UF
Transmissivity ⁽¹⁾ , gal/min/ft (m ² /sec)	ASTM D 4716	1/540,000 ft ²	9.66 (2 x 10 ³)	14.49 (3 x 10 ³)	28.98 (6 x 10 ³)	38.64 (8 x 10 ³)
Density, g/cm ³	ASTM D 1505	1/50,000 ft ²	0.94	0.94	0.94	0.94
Tensile Strength (MD), lb/in (N/mm)	ASTM D 5035/7179	1/50,000 ft ²	45 (7.9)	55 (9.6)	65 (11.5)	75 (13.3)
Carbon Black Content, %	ASTM D 1603*/4218	1/50,000 ft ²	2.0	2.0	2.0	2.0
NOMINAL ROLL DIMENSIONS						
Geonet Thickness, mil (mm)	ASTM D 5199	1/50,000 ft ²	200 (5)	250 (6.3)	275 (7)	300 (7.6)
Roll Width ⁽²⁾ , ft (m)			15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)
Roll Length ⁽²⁾ , ft (m)			330 (100)	290 (88)	270 (82)	250 (76)
Roll Area, ft ² (m ²)			4,950 (460)	4,350 (404)	4,050 (376)	3,750 (348)

NOTES:

- ⁽¹⁾Gradient of 0.1, normal load of 10,000 psf, water at 70° F (20° C), between steel plates for 15 minutes. Contact GSE for performance transmissivity value for use in design.
- ⁽²⁾Roll widths and lengths have a tolerance of ±1%.
- *Modified.