

TENAX[®]
Tenflow
(Capnet)
Geonet

TENAX Tenflow Triaxial Geonets have at least 2-3 times the transmissivity of conventional biaxial geocomposites for both fluid or gas transmission. This high performance geonet allows for wide levels of gas venting to occur preventing gas pressure build-up under the liner. Tenflow also allows for greater variances in cover soil permeability, and a longer slope length while still preventing induced slope failure.

Typical Applications:

Landfill Capping, Surface water collection and removal system, Landfill gas venting

Tested Property	Test Method	Frequency	Minimum Average Roll Value ⁽¹⁾
			TENFLOW
Geonet Thickness ⁽²⁾ , mil	ASTM D 5199	1/50,000 ft ²	340
Transmissivity ⁽⁴⁾ , m ² /sec	ASTM D 4716	1/200,000 ft ²	4.0 x 10 ⁻³
Creep Reduction Factor ⁽³⁾ , @ 20° C	GRI-GC8	per formulation	1.1 @ 1,000 psf
Tensile Strength (MD) ⁽²⁾ , lb/in	ASTM D 4595	1/50,000 ft ²	425
Density, g/cm ²	ASTM D 1505	1/50,000 ft ²	0.94
Melt Flow Index, gal/10 min	ASTM D 1238	1/50,000 ft ²	1.0
Carbon Black Content ⁽²⁾ , %	ASTM D 4218	1/50,000 ft ²	2.0

Dimensions and Delivery⁽²⁾

The geonet shall be delivered to the job site in roll form with each roll individually identified and nominally measuring 13.1-FT in width and 420-FT in length.

Notes:

1. Unless indicated otherwise, values shown are minimum average roll values.
2. Nominal values.
3. Creep Reduction Factor is based on 10,000 hour test duration, extrapolated to 30 years @ 1,000 psf.
4. Geonet transmissivity is measured by manufacturer as per ASTM D4716 at a normal load of 1,000 psf with testing boundary conditions as follows: steel plate / geonet / steel plate and seating period of 1 hour@ a gradient of 0.33.

Tenax warrants that the geonet products delivered hereunder conform to the stated specification at the time of delivery. All other warranties including claims for performance or suitability for application are excluded. This product specification supersedes all prior specifications for the product described above and is not applicable for products shipped before November 2014.

