

### Penteco GN - 275 275 mil Geonet Biplanar

- ❖ **Drainage**
- ❖ **Leak Detection**
- ❖ **Gas Mitigation**
- ❖ **Protection**

Geonets are made from high-density polyethylene (HDPE) strands diagonally parallel to one another. This biplanar structure allows for liquid or gases to flow in any direction through the horizontal plane of the mesh.

Geonets are almost exclusively used as leak detection layers within geomembrane containment systems. The geonet is typically installed in between the two layers of geomembrane to allow for potential leaks to flow directly to the sump collection system. If the drainage median has the potential of getting clogged (sediments/ fines), then its best to use a geocomposite.

GN - 275			M.A.R.V	
Property	Test Method	Frequency	Imperial	Metric
Thickness (min.avg)	ASTM D-5199	1/50,000 ft <sup>2</sup> (1/4,600 m <sup>2</sup> )	270 mil	7.0 mm
Transmissivity	ASTM D-4716	1/540,000 ft <sup>2</sup> (1/50,000 m <sup>2</sup> )	11.4 gal/min/ft	6 x 10 <sup>-3</sup> m <sup>2</sup> /sec
Density (min.)	ASTM D-792	1/50,000 ft <sup>2</sup> (1/4,600 m <sup>2</sup> )	0.94 g/cm <sup>3</sup>	0.94 g/cm <sup>3</sup>
Peak Tensile Strength (MD)	ASTM D-7179	1/50,000 ft <sup>2</sup> (1/4,600 m <sup>2</sup> )	65 lbs/in	11.4 N/mm
Carbon Black Content	ASTM D-4218	1/50,000 ft <sup>2</sup> (1/4,600 m <sup>2</sup> )	2.0 %	2.0 %
<b>Dimensions</b>				
Typical Roll Size	Measured		14.50 ft x 230 ft	4.42 m x 70.1 m
Area	Calculated		3335 ft <sup>2</sup>	310 m <sup>2</sup>

**Notes:**

- (1) Roll Lengths may vary depending on the manufacturer. All roll widths/lengths have a tolerance of ±1 %.
- (2) Custom roll lengths can be ordered. Transportation cost might be affected.
- (3) Penteco is a distributor for this product with manufacturing partners based out of Canada & USA.
- (4) Manufacturer data sheet provided at time of purchase.

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