TERRAM
Geosynthetics you can trust

Geonets

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Product Information Sheet

1. DESCRIPTION Extruded high density polyethylene (HDPE) net

2. APPLICATION Typical Applications include:
- Use as a drainage core between Terram Geotextiles (T1000LE) and or Geomembrane
- Spacing or support structure

3. FEATURES Three dimensional nets which have been engineered to have good laminar flow under high loading.

	Test Method	Unit		Mean Value (Applied tolerance Value [a])					
				A	B	C	DL	D	E
4. MECHANICAL PROPERTIES									
Tensile Strength	EN ISO 10319	kN/m	MD/CMD	3.5/1.5 (-20%)	4.0/2.0 (-20%)	5.5/2.5 (-20%)	8/4 (-20%)	10/5 (-20%)	11/6 (-20%)
Tensile Elongation		%	MD/CMD	35/110 (-30%)	30/110 (-30%)	30/110 (-30%)	30/110 (-30%)	30/110 (-30%)	30/110 (-30%)
5. PHYSICAL PROPERTIES									
Thickness	EN ISO 9863-1	mm		3.90 (-0.2)	4.85 (-0.2)	5.4 (-0.2)	6.1 (-0.2)	7.0 (-0.2)	8.4 (-0.2)
Density	EN ISO 1183-1	g/cm³		>0.94	>0.94	>0.94	>0.94	>0.94	>0.94
Carbon black content (Nominal)	ASTM D 4218	%		3	3	3	3	3	3
Mesh count		200mm		15 +/-1	15 +/-1	15 +/-1	15 +/-1	15 +/-1	15 +/-1
6. HYDRAULIC PROPERTIES									
In plane water flow MD	EN ISO 12958	l/m.s	i=1 @ 20kPa	1.20 (-20%)	1.65 (-20%)	2.00 (-20%)	2.50 (-20%)	2.90 (-20%)	3.80 (-20%)
(hard platens)			i=1 @ 100kPa	1.00 (-20%)	1.40 (-20%)	1.80 (-20%)	2.20 (-20%)	2.80 (-20%)	3.50 (-20%)
			i=1 @ 200 kPa	0.80 (-20%)	1.20 (-20%)	1.50 (-20%)	2.00 (-20%)	2.70 (-20%)	3.00 (-20%)
			i = 0.1 @ 20kPa	0.25 (-20%)	0.45 (-20%)	0.50 (-20%)	0.60 (-20%)	0.80 (-20%)	1.00 (-20%)
			i = 0.1 @ 100kPa	0.20 (-20%)	0.40 (-20%)	0.45 (-20%)	0.55 (-20%)	0.70 (-20%)	0.80 (-20%)
			i = 0.1 @ 200 kPa	0.10(-20%)	0.25 (-20%)	0.30 (-20%)	0.40(-20%)	0.60 (-20%)	0.70 (-20%)

	Unit	All grades
7. MATERIAL DIMENSIONS		
Standard Roll Length	m	150 - 400
Standard Roll Width	m	2.0-2.15

8. PACKAGING & IDENTIFICATION

Terram drainage nets are supplied on cardboard cores

9. STORAGE

The rolls of net shall be stored on stable/ level ground and stacked not more than three rolls high and no other materials shall be stacked on top. The rolls can be stored outdoors when suitably covered. The roll diameter will be no greater than 1.5m
All materials should be stored in accordance with good health and safety practice and in accordance with local laws. .

10. NOTES:

a. Reported values are arithmetic mean values unless otherwise stated, A set of test results shall be those results derived from specimens cut from one sample and taken across the full width of the roll. For sampling, EN ISO 9862 should be applied, i.e. samples should be taken not less than 5m from the end of the roll in machine direction and over the whole width in the cross machine direction. The location of the sample should be described exactly. Applied tolerances are based on 95% Confidence limits, this is the value below which not more than 5% of the test results may be expected to fall. This represents the value at 1.645 standard deviations below the mean value. For evaluation of conformance, statistical procedure should be used in line with section 5.2 of CEN/TR 15019: 2004. The tolerance value provided for tensile elongation is based on an absolute value; e.g.60%-20%=40%.

b. A Nominal value indicates that the value is not part of the performance specification and is provided for guidance only.

c. Thickness is recorded as a mean across the full width, measured at equal distances

d. All in plane hydraulic flow quality control is performed using hard/hard platens at H.G 1