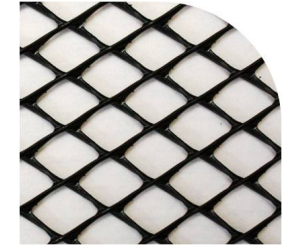


## Product Information Sheet

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- 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.



|   |               |                   |                   | Mean Value (Applied tolerance Value <sup>[a]</sup> ) |                |                |               |               |               |
|---|---------------|-------------------|-------------------|--|----------------|----------------|---------------|---------------|---------------|
|   |               |                   |                   | A  | B              | C              | DL            | D             | E             |
|   | Test Method   | Unit              |                   |  |                |                |               |               |               |
| <b>4. MECHANICAL PROPERTIES</b>                 |               |                   |                   |  |                |                |               |               |               |
| 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%) |
| <b>5. PHYSICAL PROPERTIES</b>                   |               |                   |                   |  |                |                |               |               |               |
| 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/cm <sup>3</sup> |                   | >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       |
| <b>6. HYDRAULIC PROPERTIES</b>                  |               |                   |                   |  |                |                |               |               |               |
| In plane water flow MD<br><b>(hard platens)</b> | 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%)   |
|   |               |                   | 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 |
|-------------------------------|------|------------|
| <b>7. MATERIAL DIMENSIONS</b> |      |            |
| 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

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