

**Greencells** are a cost effective cellular containment system manufactured from UV stabilised, coated slit film woven geotextile strips which alternatively stitched to form a continuous honey-comb square mat. This is then filled with a variety of natural materials or concrete and used to stabilise embankments, river profiles, sand dunes, base courses and drainage canals. *Greencells* are available in a range of heights to suit most applications.

Effective as at: 01.10.2021

| SPECIFICATIONS                   |                |                      |                             |                 |
|----------------------------------|----------------|----------------------|-----------------------------|-----------------|
| PHYSICAL PROPERTIES              |                | UNITS                | GC190                       | TEST METHOD     |
| <b>Composition</b>               | Polymer        | Coated Polypropylene |                             |                 |
| <b>Mass</b>                      | Coated         | g/m <sup>2</sup>     | <b>180</b>                  | SANS 10221-2007 |
| <b>Thickness</b>                 | Under 2 kPa    | mm                   | <b>0.5</b>                  | SANS 10221-2007 |
| <b>Tensile Strength Ultimate</b> | Warp           | kN/m                 | <b>&gt;31</b>               | SANS 10221-2007 |
|                                  | Weft           | kN/m                 | <b>&gt;31</b>               | SANS 10221-2007 |
| <b>Elongation Ultimate</b>       | Warp           | %                    | <b>17</b>                   | SANS 10221-2007 |
|                                  | Weft           | %                    | <b>18</b>                   | SANS 10221-2007 |
| <b>Seam Strength</b>             | (Average)      | kN/m                 | <b>8.5</b>                  | EN ISO 10319    |
| <b>Elongation</b>                | (Average)      | %                    | <b>18</b>                   | EN ISO 10319    |
| <b>Cell Size *</b>               | Sides          | mm                   | <b>212 x 212</b>            | STANDARD        |
|                                  | Heights **     | mm                   | <b>75 / 100 / 150 / 250</b> | STANDARD        |
| <b>Panel Size *</b>              | Width x Length | m                    | <b>3 x 10</b>               | STANDARD        |

### NOTES

1. Custom Cell and Panel sizes can be manufactured on request.
2. Specially perforated cell walls to facilitate drainage are also available on request.



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