

ECOCELL is a three-dimensional honeycomb-like cellular confinement system primarily used for load support system primarily used for load support, slope protection, earth retention systems and channel protection systems.

| <b>Material properties</b>   |  |             |
|--|--|-------------|
| Polymer density (ASTM D 1505)  | g/cm <sup>3</sup>  | 0.935-0.965 |
| Environmental stress crack resistance (ASTM D 1693)                          | hrs  | >5000       |
| Carbon black content   | %  | min. 1.5    |
| Nominal sheet thickness <sup>1</sup> (post texturing) (ASTM D 5199)(-5%+10%) | mm   | min. 1.2    |
| Base Material  | Virgin polymers with additives   |             |
| Texture  | Polyethylene strip consists of multiple rhomboidal indentations, over the entire strip area on both sides of the strip. The indentations have a surface density of 18to 33 per cm <sup>2</sup> |             |
| Perforations   | Polyethylene strip is perforated with horizontal rows of maximum 10 mm diameter holes. Cell perforations area is less than 13% of cell surface area  |             |

| <b>Cell/Section properties</b>                                   |        |                   |              |
|--|--------|-------------------|--------------|
| <b>Property</b>  |        | <b>Unit</b>       | <b>JC356</b> |
| Weld spacing (±3%)   |        | mm                | 356          |
| Cell Depth (± 3%)  |        | mm                | 100          |
| Expanded cell  | Width  | mm                | 259          |
| Dimensions (± 3%)  | Length | mm                | 224          |
| Expanded cell area (± 3%)  |        | cm <sup>2</sup>   | 289          |
| Nominal expanded   | Width  | m                 | 2.59         |
| Section2 (± 3%)  | Length | m                 | 6.72         |
| Nominal expanded Section area (± 3%)                             |        | m <sup>2</sup>    | 17.41        |
| <b>Seam Properties</b>   |        | <b>Cell depth</b> |              |
|  |        | <b>mm</b>         | <b>100</b>   |
| <b>Seam peel strength</b><br>(US ACE Technical report, GL-86-19) |        | N                 | 1420         |