

# Keytec 295 Material specification

Made from high density polyethylene tapes, coated on two sides with low density polyethylene.

| PROPERTY                                 |                      | UNIT             | VALUE | TEST METHOD    |                |
|------------------------------------------|----------------------|------------------|-------|----------------|----------------|
| Unit weight                              |                      | g/m <sup>2</sup> | 295   | ASTM D3776     |                |
| Thickness (2 KN/m <sup>2</sup> pressure) |                      | 0.6              | BS    | EN 964-1-95    |                |
| Astm tapes                               |                      | 10cm             | warp  | 48             | ASTM D3776     |
|                                          |                      |                  | weft  | 48             | ASTM D3776     |
| Tensile grab strength                    |                      | N                | warp  | 1180           | ASTM D751      |
|                                          |                      |                  | weft  | 1200           | ASTM D751      |
| Tear strength * (tongue)                 |                      | N                | warp  | 300            | ASTM D2261     |
|                                          |                      |                  | weft  | 400            | ASTM D2261     |
| Tensile properties                       | Machine direction    | kN/m             | 28    | BSEN ISO 10319 |                |
|                                          | Transverse direction | kN/m             | 38.6  | BSEN ISO 10319 |                |
| Tensile elongation                       |                      | %                | 23.6  | ASTM D751      |                |
| Elongation                               | Machine direction    | %                | 14.1  | BSEN ISO 10319 |                |
|                                          | Transverse direction | %                | 15.4  | BSEN ISO 10319 |                |
| Puncture resistance                      |                      | kN               | 4.13  | BSEN ISO 12236 |                |
| Transverse direction                     |                      | mm               | 33.4  | BSEN ISO 12236 |                |
| Cone drop (perforation resistance)       |                      | mm               | 16    | BSEN 918       |                |
| Scrim colour                             |                      |                  | black |                |                |
| Coating thickness                        |                      | µm               | black | 65.3           | ASTM D1777 MOD |
| Both sides                               |                      |                  |       |                |                |

Roll size 1.83 x 150

Fabrication to any given size.

Contains ultraviolet inhibitors and is suitable for exposed applications.

Resistant to Japanese Knotweed.

## Keytec 295 Suggested specification

Keytec 295 is constructed from high density polyethylene tapes coated with low density polyethylene to both faces. It has a mass per unit area of >290gm<sup>2</sup> and tensile elongation not greater than 24% ASTM D 751.