

## PAG 12 Geocomposite – Fully Wrapped

Consists of a cusped HDPE (High Density Polyethylene) drainage core former thermally bonded to a geotextile filter

| PROPERTIES                                                                                       | MD/CD  | UNIT               | VALUE    | STANDARD                  |
|--------------------------------------------------------------------------------------------------|--------|--------------------|----------|---------------------------|
| <b>Composite</b>                                                                                 |        |                    |          |                           |
| In Plane gas flow                                                                                |        |                    | @7mm     |                           |
| At 20kPa                                                                                         |        | l/m.sec            | 11.25    | EN ISO 12958              |
| At 100kPa                                                                                        |        | l/m.sec            | 9.9      | EN ISO 12958              |
| At 200kPa                                                                                        |        | l/m.sec            | 8.1      | EN ISO 12958              |
|                                                                                                  |        |                    | @3mm     |                           |
| At 20kPa                                                                                         |        | l/m.sec            | 2.85     | EN ISO 12958              |
| At 100kPa                                                                                        |        | l/m.sec            | 2.5      | EN ISO 12958              |
| At 200kPa                                                                                        |        | l/m.sec            | 2.1      | EN ISO 12958              |
| With soft foam contact surfaces to simulate textile intrusion into the core due to soil pressure |        |                    |          |                           |
| Ventilation free path                                                                            |        | mm <sup>2</sup> /m | 5250     | Indicative                |
| Air volume                                                                                       |        | l/m <sup>2</sup>   | 8.9      | Indicative                |
| Equivalent Void Depth                                                                            |        | mm                 | 8.9      | Indicative                |
| Thickness at 2kPa                                                                                |        | mm                 | 13.4     | EN ISO 9863-1             |
| Mass per unit area                                                                               |        | g/m <sup>2</sup>   | 1090     | EN ISO 9864               |
| Tensile strength                                                                                 | MD     | kN/m               | 25       | EN ISO 10319              |
|                                                                                                  | CD     | kN/m               | 16       | EN ISO 10319              |
| Elongation at Nominal Strength                                                                   | MD     | %                  | 45       | EN ISO 10319              |
|                                                                                                  | CD     | %                  | 30       | EN ISO 10319              |
| Static puncture resistance CBR                                                                   |        | N                  | 3700     | EN ISO 12236              |
| Design Life                                                                                      |        | Years              | 120      | Manufacturers declaration |
| <b>Geotextile</b>                                                                                |        |                    |          |                           |
| Thickness at 2kPa                                                                                |        | mm                 | 1.2 -10% | EN ISO 9863-1             |
| Tensile strength                                                                                 | MD     | kN/m               | 9.5      | EN ISO 10319              |
|                                                                                                  | CD     | kN/m               | 9.5      | EN ISO 10319              |
| Elongation at Break                                                                              | MD     | %                  | 50       | EN ISO 10319              |
|                                                                                                  | CD     | %                  | 50       | EN ISO 10319              |
| Pore size O <sub>90</sub>                                                                        |        | µm                 | 115      | EN ISO 12956              |
| Static puncture resistance CBR                                                                   |        | N                  | 1600     | EN ISO 12236              |
| Dynamic perf cone drop                                                                           |        | mm                 | 32       | EN ISO 13433              |
|                                                                                                  |        |                    |          |                           |
| Roll size                                                                                        | Width  | m                  | 1.1      |                           |
|                                                                                                  | Length | m                  | 50       |                           |

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