



## GEODREN PEIT 120



1213-CPR-3275

Nonwoven geotextile made by polyester, needlepunched and calandered, produced without using of any glues or chemical binders and post-consumer raw material.

| Physical properties              | Standard        |         | Value                                                                                             | Units | Tolerance % | Tolerance (units) |
|----------------------------------|-----------------|---------|---------------------------------------------------------------------------------------------------|-------|-------------|-------------------|
| Mass per unit area               | [EN ISO 9864]   |         | 120                                                                                               | g/m2  | +/- 10      | +/- 12            |
| Thickness                        | [EN ISO 9863-1] | 2 kPa   | 0,70                                                                                              | mm    | +/- 20      | +/- 0,14          |
|                                  | [EN ISO 9863-1] | 20 kPa  | 0,50                                                                                              | mm    | +/- 20      | +/- 0,10          |
|                                  | [EN ISO 9863-1] | 200 kPa | 0,30                                                                                              | mm    | +/- 20      | +/- 0,06          |
| Mechanical properties            | Standard        |         | Value                                                                                             | Units | Tolerance % | Tolerance (units) |
| Tensile strength                 | [EN ISO 10319]  | MD      | 0,6                                                                                               | kN/m  | - 15        | - 0,1             |
|                                  | [EN ISO 10319]  | CMD     | 0,7                                                                                               | kN/m  | - 15        | - 0,1             |
| Elongation at maximum load       | [EN ISO 10319]  | MD      | 50                                                                                                | %     | +/- 30      | +/- 15            |
|                                  | [EN ISO 10319]  | CMD     | 60                                                                                                | %     | +/- 30      | +/- 18            |
| Static puncture resistance (CBR) | [EN ISO 12236]  |         | 0,10                                                                                              | kN    | - 30        | - 0,03            |
| Dynamic puncture resistance      | [EN ISO 13433]  | >       | 50                                                                                                | mm    |             |                   |
| Hydraulic properties             | Standard        |         | Value                                                                                             | Units | Tolerance % | Tolerance (units) |
| Velocity index                   | [EN ISO 11058]  |         | 120                                                                                               | mm/s  | - 30        | - 36              |
| Characteristic opening size      | [EN ISO 12956]  |         | 65                                                                                                | µm    | +/- 30      | +/- 20            |
| Durability properties            |                 |         |                                                                                                   |       |             |                   |
| Weathering resistance            | [EN 12224]      |         | To be covered within 15 days from the day of installation.                                        |       |             |                   |
| Service life                     | [-]             |         | Forecast minimum durability of 5 years in natural ground with 4<pH<9 and soil temperature < 25°C. |       |             |                   |

The values are guiding values obtained in our laboratories and in official testing institutes.

The confidence level is 95%

The right is reserved to make changes any time without notice.

MD = Machine Direction/Longitudinale; CMD = Cross Machine Direction/Trasversale; NA = Not Applicable/Non Applicabile

Ref.

Cod. 000001

Rev.4

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Approved by CQ

Approved by UT