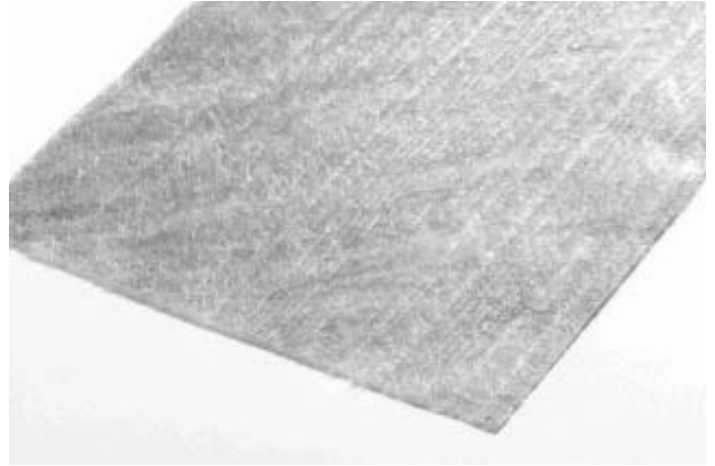


# OPTIGRÜN FIL 105

## Filter Fleece

Endless fibre fleece with tested water permeability as filter separation layer between drainage and substrate layers.



|  |  |
|--|--|
| <b>Material</b>                        | PP (polypropylen)  |
| <b>Nominal thickness</b>               | Approx. 1.1 mm   |
| <b>Grammage</b>                        | Approx. 105 g/m <sup>2</sup>   |
| <b>Colour</b>                          | Grey   |
| <b>Geotextile robustness class</b>     | GRC 2  |
| <b>Mechanical filter efficiency</b>    | 0.06 ≤ gew. 0 <sub>90</sub> ≤ 0.2 mm (EN ISO 12956)                      |
| <b>Max. tensile strength</b>           | 7.5 / 7.5 kN/m (EN ISO 10319)  |
| <b>Elongation longitudinal/lateral</b> | 90 / 75 % (EN ISO 10319)   |
| <b>Puncture resistance</b>             | 1,200 N (EN ISO 12236)   |
| <b>Vertical water permeability</b>     | 130 l/s x m <sup>2</sup> (EN ISO 11058)                                  |
| <b>Quantity/delivered unit</b>         | 200 m <sup>2</sup> /roll = 2.0 x 100.0 m<br>2,200 m <sup>2</sup> /pallet |
| <b>Delivery form</b>                   | 11 rolls on euro pallet 80 x 120 cm                                      |
| <b>Pack size</b>                       | Diameter approx. 0.28 m,<br>height approx. 2.0 m / per roll              |
| <b>Delivery weight</b>                 | Approx. 21.0 kg/roll -<br>Approx. 255,0 kg/full euro pallet              |
| <b>Mechanically strengthened</b>       | Yes  |
| <b>Detector tested</b>                 | Yes  |

### Area of use

- Horizontal filter layer on green roofs between drainage layer and substrate
- Filtration of particles from the substrate.
- As separation between pebble strips and substrate.
- For superstructural parts that can be walked on as a horizontal filter layer

### Specific properties

- 100% PP (polypropylene)
- CE-marked
- Puncture resistance 1,200 N
- Vertical water permeability 130 l/s x m<sup>2</sup>
- 7.5 kN/m tensile strength longitudinal/lateral
- Mechanically strengthened
- Detector tested
- Recyclable
- Has a European Technical Assessment (ETA-13/0557) as part of the Optigrün system solutions



The preceding details are guideline values established under laboratory conditions. These values are subject to a certain manufacturing tolerance. The data contained in this product information sheet represents Optigrün's technical knowledge at the time of publication. Optigrün reserves the right to change and update details in accordance with new insights and to modify specified properties accordingly. No liability accepted for misprints.

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