

OPTIGREEN FIL 100

Filter Fleece

Thin, mechanically and thermally strengthened polypropylene fleece with tested water permeability according to the FLL Green Roofing Guidelines for green roofs as a filter separation layer between drainage and substrate layers.



Material	100 % PP (polypropylene)
Nominal thickness	approx. 1.0 mm
Grammage	approx. 100 g/m ²
Colour	white
Geotextile robustness class	GRC 2
Mechanical filter strenght	0.06 ≤ gew. 0 ₉₀ ≤ 0.2 mm (EN ISO 12956)
Max. tensile strenght longitudinal/lateral	7.9 / 8.3 kN/m (EN ISO 10319)
Elongation longitudinal/lateral	60 / 65 % (EN ISO 10319)
Puncture resistance	1,150 N (EN ISO 12236)
Vertical water permeability	105 l/(m ² s) (EN ISO 11058)
Quantity/delivered unit	360.0 m ² /roll = 2.0 x 180.0 m
Delivery form	6 rolls on pallet 800 x 1,200 mm
Pack size	Diameter approx. 0.50 m, height approx. 2.0 m / per roll
Delivery weight	approx. 38.0 kg/roll - approx. 240.0 kg/full pallet
Mechanically strengthened	yes
Thermally fixed	slightly
Detector tested	yes

Area of use

- Horizontal filter layer on green roofs between drainage layer and substrate
- Filtration of particles from the substrate

Specific properties

- 100% PP (polypropylene)
- Not UV-resistant
- Puncture resistance 1,150 N
- Vertical water permeability 105 l/(m²s)
- Recyclable

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 Optigreen's technical knowledge at the time of publication. Optigreen 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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