

OPTIGRÜN FIL 150

Filter Fleece

Filter separation layer with tested water permeability between drainage and substrate layers for surfaces with increased loads.



Material	PP continuous filament (polypropylene)
Nominal thickness	approx. 1.2 mm
Grammage	approx. 150 g/m ²
Colour	white
Geotextile robustness class	GRC 3
Mechanical filter efficiency	0.06 ≤ gew. 0 ₉₀ ≤ 0.2 mm (EN ISO 12956)
Max. tensile strength longitudinal/lateral	10.5 / 10.0 kN/m (EN ISO 10319)
Elongation longitudinal/lateral	75 / 65 % (EN ISO 10319)
Puncture resistance	1,700 N (EN ISO 12236)
Vertical water permeability	90 l/s x m ² (EN ISO 11058)
Quantity/delivered unit	180 m ² /roll = 2.0 x 90.0 m 1,080 m ² /pallet
Delivery form	6 rolls on euro pallet 800 x 1,200 mm
Pack size	Diameter approx. 0.30 m, height approx. 2.0 m / per roll
Delivery weight	approx. 27.0 kg/roll - approx. 185.0 kg/full euro pallet
Mechanically strengthened	yes
Detector tested	yes

Area of use

- Horizontal filter layer on green roofs between drainage and substrate layers with areas with increased loads
- Filtration of particles from the substrate
- As separation between pebble strips and substrate
- For superstructural parts accessible to vehicles and pedestrians

Specific properties

- 100% PP (polypropylene)
- CE-marked CE-1213-CPR-5930
- Puncture resistance 1,700 N
- Vertical water permeability 90 l/s x m²
- 10.5 kN/m or 10 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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