

# OPTIGREEN FIL 300

## Filter Fleece

Stable filter separation layer with tested water permeability.



<b>Material</b>	PP (polypropylene)
<b>Nominal thickness</b>	approx. 3 mm
<b>Grammage</b>	approx. 300 g/m <sup>2</sup>
<b>Colour</b>	white
<b>Geotextile robustness class</b>	GRC 5
<b>Mechanical filter efficiency</b>	0.08 mm (EN ISO 12956)
<b>Max. tensile strength longitudinal/lateral</b>	21 / 24 kN/m (EN ISO 10319)
<b>Elongation longitudinal/lateral</b>	65 / 75 % (EN ISO 10319)
<b>Puncture resistance</b>	3,800 N (EN ISO 12236)
<b>Vertical water permeability</b>	57 l/s m <sup>2</sup> (EN ISO 11058)
<b>Quantity/delivered unit</b>	120 m <sup>2</sup> /roll = 2.0 x 60.0 m 720 m <sup>2</sup> /pallet
<b>Delivery form</b>	6 rolls on euro pallet 800 x 1,200 mm
<b>Pack size</b>	Diameter approx. 0.45 m, height approx. 2.0 m / per roll
<b>Delivery weight</b>	approx. 36.0 kg/roll - approx. 240.0 kg/full euro pallet
<b>Mechanically strengthened</b>	yes
<b>Detector tested</b>	yes
<b>CE certified</b>	yes (1213 CPR 5930)
<b>Resistance</b>	min. 25 years

### Area of use

- Horizontal filter layer between the drainage and gravel base layers, under public areas where cars and trucks circulate, as well as pedestrians
- Filtration of particles from the substrate
- For superstructural parts accessible to vehicles and pedestrians
- Can also be used above drainage layers, for example for distribution of water over a surface in conjunction with irrigation facilities or retention roofs.

### Specific properties

- 100% PP (polypropylene)
- CE-marked CE-1213-CPR-5930
- Puncture resistance 3,800 N (EN ISO 12236)
- Vertical water permeability 57 l/s x m<sup>2</sup> (EN ISO 11058)
- 21 kN/m or 24 kN/m tensile strength longitudinal/lateral
- Mechanically strengthened
- Detector tested
- 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.

### Optigrün international AG

Am Birkenstock 15 – 19,  
72505 Krauchenwies-Göggingen  
Tel. +49 7576 772-0, Fax +49 7576 772-299, info@optigruen.de

### Optigreen Limited (Service UK only)

Suite G5 Albany Chambers, 26 Bridge Road East  
Welwyn Garden City (Herts), AL7 1HL  
Phone +44 203 5899400, Fax +44 207 1171664, info@optigreen.co.uk

