

PRODUCT CARD

GREENFOND
PES 500 geotextile

GREENFOND PES 500 is a geotextile made from polyester filaments. Due to its high density, the structure is ideally suited as a separating and protective element

GREENFOND PES 500 has a wide range of applications, ranging from the construction of roads, highways, airports, car parks and playgrounds. These products can also be found in industrial and residential constructions, e.g. green roofs, vertical and horizontal protective layers. Roll size 2 x 50 m is selected so that it is convenient for transport and assembly at the construction site.



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TECHNICAL DATA OF THE PRODUCT:

| | | |
|---|--------------|---|
| Areal density | | 500 g / m ² |
| Width | | 2 m |
| Length | | 50 m |
| Weight | | 48 kg |
| Tensile strength | EN 10319 | kN / m |
| MD | | 18 (-0,5) |
| CMD | | 18 (-0,8) |
| Relative elongation at max. load | EN 10319 | % |
| MD | | 120 |
| CMD | | 150 |
| Dynamic cone drop | EN 13433 | 4,4 mm |
| Static puncture (CBR test) | EN ISO 12236 | 2,61 kN |
| Characteristic pore size | EN ISO 12956 | 90±25 µm |
| Water permeability (MD), flow capacity [l / m · s] | EN ISO 12958 | |
| for i = 0.1 at load: | | |
| -20 kPa | | 2,55x10 ⁻³ |
| -100 kPa | | 0,85x10 ⁻³ |
| -200 kPa | | 0,30x10 ⁻³ |
| for i = 1.0 at load: | | |
| -20kPa | | 8,2x10 ⁻³ |
| -100 kPa | | 3,2x10 ⁻³ |
| -200 kPa | | 2,6x10 ⁻³ |
| Use | | F, R, S |
| Durability | | Cover on the day of embedding. Expected durability min. 5 years in natural soils by 4 < ph < 9 and in the soil at 25 C if the product does not have a reinforcement function. |
| Roll dimension | | 2x50 m / 100m ² |
| Article number | | 10.1209 |