



# Enkadrain<sup>®</sup>

Geocomposite for drainage and filtration

| PRODUCT DATA | ST | TP | TPL |
|--------------|----|----|-----|
|--------------|----|----|-----|

## Properties geocomposite

| Hydraulic gradient   | load             | Flow capacity <sup>[1]</sup> in l/(s.m), (EN ISO 12958) |             |             |
|--|------------------|---|-------------|-------------|
| i = 1  | kPa              |   |             |             |
|  | 20               | 3.20  | 2.50        | 2.00        |
|  | 50               | 1.18  | 1.52        | 0.87        |
|  | 100              | 0.50  | 0.75        | 0.33        |
| i = 0.1  | 200              | 0.20  | 0.28        | 0.11        |
|  | 20               | 0.86  | 0.67        | 0.51        |
|  | 50               | 0.28  | 0.41        | 0.25        |
|  | 100              | 0.11  | 0.21        | 0.08        |
| i = 0.03   | 200              | 0.04  | 0.07        | 0.02        |
|  | 20               | 0.40  | 0.32        | 0.27        |
|  | 50               | 0.13  | 0.20        | 0.11        |
|  | 100              | 0.05  | 0.10        | 0.03        |
|  | 200              | 0.01  | 0.03        | 0.01        |
| <b>Polymer (core/fleece)</b>                               |                  | PA / PET-PA   | PA / PET-PA | PA / PET-PA |
| Mass per unit area (EN ISO 9864)                           | g/m <sup>2</sup> | 950   | 950         | 700         |
| Thickness (EN ISO 9863-1)                                  | mm               | 22  | 10          | 10          |
| Tensile strength (md/cmd) <sup>[2]</sup> (EN ISO 10319)    | kN/m             | 15.6  | 15.6        | 15.6        |
| Elongation at break (md/cmd) <sup>[2]</sup> (EN ISO 10319) | %                | 33  | 33          | 33          |
| Dynamic perforation (Cone drop) (EN ISO 13433)             | mm               | 10  | 10          | 10          |

## Properties fleece

|  |      |     |     |     |
|--|------|-----|-----|-----|
| Dynamic perforation (Cone drop) (EN ISO 13433)         | mm   | 42  | 42  | 42  |
| Opening size (O <sub>90</sub> ) (EN ISO 12956)         | µm   | 160 | 160 | 160 |
| Water permeability (V <sub>IH50</sub> ) (EN ISO 11058) | mm/s | 160 | 160 | 160 |

## Dimensions

|                                |    |             |             |            |
|--------------------------------|----|-------------|-------------|------------|
| Length x width of geocomposite | m  | 30 x 1.0    | 45 x 1.0    | 45 x 1.0   |
| Length / diameter of roll      | m  | 1.02 / 1.10 | 1.02 / 0.85 | 1.02 / 0.8 |
| Gross weight <sup>[3]</sup>    | kg | 29          | 44          | 32         |

The values given are indicative values obtained in our laboratories and independent testing institutes. The material must be covered within 14 days after installation.

[1] Flow capacity is tested in machine direction under rigid/foam circumstances.  
 [2] md = machine direction / cmd = cross machine direction.  
 [3] Gross weight = geocomposite + core + packaging, individual values may vary.



The information set forth in this data sheet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.

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