

Filter stable drainage system

Secudrain® 201 C WD 601 201 C



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Product description

Three-layered, three-dimensional, filter stable and high compression resistance drainage system consisting of an extruded wave-shaped monofilament core and a needle-punched nonwoven fully bonded at on both sides

| Property | Test method* | Unit | 201 C WD 601 201 C | | |
|--|----------------------|-------------------|--|---------|-------------|
| Total product | - | - | | | |
| Water flow rate q , md , (h/h) - at a load of 20 kPa - at a load of 50 kPa - at a load of 100 kPa | EN ISO 12958 | $l/(m \times s)$ | $i = 0.1$ 3.5×10^{-1} $i = 0.1$ 2.5×10^{-1} $i = 0.1$ 2.0×10^{-1} | | |
| Water flow rate q , md , (h/h) - at a load of 20 kPa - at a load of 50 kPa - at a load of 100 kPa | | | $i = 0.3$ 7.0×10^{-1} $i = 0.3$ 6.5×10^{-1} $i = 0.3$ 5.0×10^{-1} | | |
| Water flow rate q , md , (h/h) - at a load of 20 kPa - at a load of 50 kPa - at a load of 100 kPa | | | $i = 1.0$ $1.0 \times 10^{+0}$ $i = 1.0$ 8.0×10^{-1} $i = 1.0$ 7.0×10^{-1} | | |
| Mass per unit area | | | EN ISO 9864 | g/m^2 | 1,000 |
| Thickness | | | EN ISO 9863-1 | mm | approx. 8.0 |
| Max. tensile strength, md / cmd^{**} | | | EN ISO 10319 | kN/m | 25.0 / 25.0 |
| Elongation at max. tensile strength, md / cmd^{**} | EN ISO 10319 | % | 40 / 40 | | |
| Puncture force | EN ISO 12236 | kN | 4.8 | | |
| Raw material | - | - | polypropylene | | |
| Geotextiles | 201 C / 201 C | - | | | |
| Mass per unit area | EN ISO 9864 | g/m^2 | 200 | | |
| Thickness | EN ISO 9863-1 | mm | 1.2 | | |
| Characteristic Opening Size | EN ISO 12956 | mm | 0.08 | | |
| Water permeability - VI_{H50} -Index - Flow rate $_{H50}$ | EN ISO 11058 | m/s l/sm^2 | 6.0×10^{-2} 60 | | |
| Roll dimension, width x length | - | $m \times m$ | 3.80 x 60 | | |

*based on, **md = machine direction, cmd = cross machine direction

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes. Our products are subject to changes without prior notice.