

Filter stable drainage system

Secudrain® 201 WD 601 201



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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 on both sides

Property	Test method*	Unit	201 WD 601 201
Total product			
Water flow rate $q_{(h/h)}$ - at a load of 20 kPa - at a load of 50 kPa	EN ISO 12958	l/(m x s)	$i = 0.1$ 3.0×10^{-1}
Water flow rate $q_{(h/h)}$ - at a load of 20 kPa - at a load of 50 kPa			$i = 0.1$ 2.0×10^{-1}
Water flow rate $q_{(h/h)}$ - at a load of 20 kPa - at a load of 50 kPa			$i = 0.3$ 7.0×10^{-1}
Water flow rate $q_{(h/h)}$ - at a load of 20 kPa - at a load of 50 kPa			$i = 0.3$ 5.0×10^{-1}
Water flow rate $q_{(h/h)}$ - at a load of 20 kPa - at a load of 50 kPa			$i = 1.0$ $1.5 \times 10^{+0}$
Water flow rate $q_{(h/h)}$ - at a load of 20 kPa - at a load of 50 kPa			$i = 1.0$ $1.0 \times 10^{+0}$
Mass per unit area	EN ISO 9864	g/m ²	1,000
Thickness	EN ISO 9863-1	mm	11.5
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	23.0 / 30.0
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	50 / 40
Puncture force	EN ISO 12236	kN	4.8
Raw material	-	-	polypropylene
Geotextiles			
201 / 201			
Mass per unit area	EN ISO 9864	g/m ²	200
Thickness	EN ISO 9863-1	mm	2.5
Characteristic Opening Size	EN ISO 12956	mm	0.12
Water permeability	EN ISO 11058	m/s	1.0×10^{-1}
- $V_{I_{H50}}$ -Index			
- Flow rate _{H50}			100
Roll dimension, width x length	-	m x m	3.80 / 1.90 x 35

*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.