

Filter stable drainage system



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Secudrain® 131 C WD 401

Product description:

Double-layered, three-dimensional, filter stable and high compression resistance drainage system consisting of an extruded wave-shaped UV-stabilised monofilament core and a needle-punched, calendered and UV-stabilised nonwoven fully bonded on one side

Property	Test method*	Unit	
Total product			
Water flow rate q , (h/h), md** - at a load of 20 kPa - at a load of 50 kPa - at a load of 100 kPa	EN ISO 12958	l/(m x s)	$i = 0.1$ 5.0×10^{-1} $i = 0.1$ 4.0×10^{-1} $i = 0.1$ 3.0×10^{-1}
Water flow rate q , (h/h), md** - at a load of 20 kPa - at a load of 50 kPa - at a load of 100 kPa			$i = 0.3$ $1.0 \times 10^{+0}$ $i = 0.3$ 8.0×10^{-1} $i = 0.3$ 6.0×10^{-1}
Water flow rate q , (h/h), md** - at a load of 20 kPa - at a load of 50 kPa - at a load of 100 kPa			$i = 1.0$ $1.8 \times 10^{+0}$ $i = 1.0$ $1.4 \times 10^{+0}$ $i = 1.0$ $1.0 \times 10^{+0}$
Mass per unit area	EN ISO 9864	g/m ²	530
Thickness	EN ISO 9863-1	mm	6.5
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	8.0 / 8.0
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	40 / 40
Puncture force	EN ISO 12236	kN	1.5
Raw material	-	-	polypropylene
Geotextile	131 C		
Mass per unit area	EN ISO 9864	g/m ²	130
Thickness	EN ISO 9863-1	mm	0.7
Characteristic opening size	EN ISO 12956	mm	0.08
Water permeability - $V_{I_{H50}}$ -Index - Flow rate _{H50}	EN ISO 11058	m/s l/sm ²	9.0×10^{-2} 90
Roll dimension, width x length	-	m x m	3.80 x 70

*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.