

Filter stable drainage system

Secudrain® 131 C WD 401 131 C

LDM



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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 UV-stabilized nonwoven fully bonded at on both sides

Property	Test method*	Unit	131 C WD 401 131 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	$l/(m \times s)$	$i = 0.1$ 2.5×10^{-1} $i = 0.1$ 2.0×10^{-1} $i = 0.1$ 1.5×10^{-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			$i = 0.3$ 5.0×10^{-1} $i = 0.3$ 4.0×10^{-1} $i = 0.3$ 3.0×10^{-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			$i = 1.0$ $1.0 \times 10^{+0}$ $i = 1.0$ 9.0×10^{-1} $i = 1.0$ 8.0×10^{-1}
Mass per unit area	ASTM D5261 / EN ISO 9864	g/m^2	660
Thickness	ASTM D5199 / EN ISO 9863-1	mm	6.5
Max. tensile strength, md / cmd^{**}	ASTM D4595 / EN ISO 10319	kN/m	16.0 / 16.0
Elongation at max. tensile strength, md / cmd^{**}	ASTM D4595 / EN ISO 10319	%	40 / 30
Puncture force	ASTM D6241 / EN ISO 12236	kN	3.0
Raw material	-	-	polypropylene
Geotextiles	131 C / 131 C		
Mass per unit area	ASTM D5261 / EN ISO 9864	g/m^2	130
Thickness	ASTM D5199 / EN ISO 9863-1	mm	0.7
Characteristic Opening Size	EN ISO 12956	μm	90
Permittivity	ASTM D4491	1/s	2.0
Water permeability - V_{H50} -Index - Flow rate $_{H50}$	EN ISO 11058	m/s	9.0×10^{-2}
		$l/(s \ m^2)$	90
Roll dimension, width x length	-	m x m	3.80 x 70

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


Production Management


Quality Assurance

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.