

Filter stable drainage system

Secudrain® 131 C WD 401 131 C

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, m_d , (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 x 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, m_d , (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, m_d , (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	EN ISO 9864	g/m ²	660
Thickness	EN ISO 9863-1	mm	6.5
Tensile strength, m_d / cmd^{**}	EN ISO 10319	kN/m	16.0 / 16.0
Elongation at max. strength, m_d / cmd^{**}	EN ISO 10319	%	45 / 55
Static puncture	EN ISO 12236	kN	3.0
Raw material	-	-	polypropylene
Geotextiles	131 C / 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	µm	90
Water permeability - V_{H50} -Index - Flow rate $_{H50}$	EN ISO 11058	m/s l/(m ² s)	9.0×10^{-2} 90
Roll dimension, width x length	-	m x m	3.80 x 70

*based on, ** m_d = 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.