

Technical Data Sheet

EnkaDrain™ B10/1-1S Data Sheet



EnkaDrain™ composites consist of a three-dimensional monofilament structure (the drainage core) which is bonded to a protective, filtering or laticence-tight nonwoven on one or both sides. The number of attached nonwovens is referred to as 1s (1 side) or 2s (2 sides) in the product typology. The drainage core can be pyramidal or v-shaped and can be made from different polymers. All EnkaDrain™ types are lightweight, flexible, and easy to cut. They have no shape memory and have good load distribution.

Properties geocomposite	Test Method	Unit	EnkaDrain™ B10/1-1S
Polymer			PP
Weight	EN ISO 9864	g/cm ²	440
Thickness under 2 kPa	EN ISO 9863-1	mm	10
Tensile Strength - MD	EN ISO 10319	kN/m	5
Static puncture resistance (CBR)	EN ISO 12236	kN	0.8
Hydraulic gradient	Load kPa		Flow capacity (EN ISO 12958), foam/rigid
i = 1	20	(l/s)/m	2.1
	50	(l/s)/m	1.04
i = 0.1	20	(l/s)/m	0.62
	50	(l/s)/m	0.25
i = 0.03	20	(l/s)/m	0.29
	50	(l/s)/m	0.1
Properties fleece	Test Method	Unit	EnkaDrain™ B10/1-1S
Dynamic perforation resistance (cone drop) top fleece	EN ISO 13433	mm	45
Static puncture resistance (CBR)	EN ISO 12236	kN	0.8
Characteristic opening size (O90)	EN ISO 12956	µm	175
Water permeability normal to the plane (Vlh50)	EN ISO 11058	mm/s	100
Environmental Properties	Test Method	Unit	EnkaDrain™ B10/1-1S
Substances of Very High Concern (SVHC)	REACH	w/w	≤ 0.1
Durability in soils ²	EN 13252	years	≥ 100
Maximum allowed time between installation and covering	EN 13252	weeks	2
Dimensions		Unit	EnkaDrain™ B10/1-1S
Width x Length *		m	1 x 45
Length / diameter of roll		m	1.03 x 0.85
Gross weight		kg	22

* Roll dimensions mentions are item specific. We are able to change roll length or product composition according to your needs.

² Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C



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This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge becomes available. Since we cannot anticipate all variations in actual end use conditions, Geosynthetics Limited makes no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.



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