

Technical Data Sheet

EnkaDrain™ Findrain 5004F (1m) Data Sheet



EnkaDrain™ composites consist of a three-dimensional monofilament structure (the drainage core) which is bonded to a protective, filtering or laticing-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™ Findrain 5004F (1m)
Polymer			PP/PP
Weight	EN ISO 9864	g/cm²	520
Thickness under 2 kPa	EN ISO 9863-1	mm	5
Tensile Strength - MD	EN ISO 10319	kN/m	16
Elongation at maximum load - MD	EN ISO 10319	%	45
Static puncture resistance (CBR)	EN ISO 12236	kN	3
Hydraulic gradient	Load kPa		Flow capacity (EN ISO 12958), foam/foam
i= 1	20	m²/s	0.2 x 10 ⁻³
	50	m²/s	
	100	m²/s	
	200	m²/s	
Properties fleece	Test Method	Unit	EnkaDrain™ Findrain 5004F (1m)
Dynamic perforation resistance (cone drop) top fleece	EN ISO 13433	mm	32
Static puncture resistance (CBR)	EN ISO 12236	kN	1.5
Characteristic opening size (O90)	EN ISO 12956	µm	90
Water permeability normal to the plane (Vlh50)	EN ISO 11058	mm/s	100
Dimensions		Unit	EnkaDrain™ Findrain 5004F (1m)
Width x Length		m	1 x 50
Length / diameter of roll		m	1.2 x 0.6
Gross weight		kg	29

Maximum allowed time between installation and covering of the geosynthetic: 2 weeks



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