

Technical Data Sheet

EnkaDrain™ 5006C/5-2S/T110PP Data Sheet



EnkaDrain™ is a three-dimensional composite made of a drainage core connected to durable nonwoven filters. The high performance drainage core is made of polymeric monofilaments spun into a pyramid or V shape configuration. This resulting structure is very open, ensuring maximum drainage capacity, and is compression-resistant with over 90% voids. Structural drainage systems have to provide the discharge capacity required under the maximum compressive stress of the relevant project.

Properties geocomposite	Test Method	Unit	EnkaDrain™ 5006C/5-2S/T110PP
Polymer			PP
Weight	EN ISO 9864	g/cm ²	720
Thickness under 2 kPa	EN ISO 9863-1	mm	6.5
Tensile Strength - MD	EN ISO 10319	kN/m	14
Static puncture resistance (CBR)	EN ISO 12236	kN	2
Hydraulic gradient	Load kPA		Flow capacity (EN ISO 12958), rigid/foam
i = 1	20	m ² /s	2.5 x 10 ⁻³
	50	m ² /s	2.4 x 10 ⁻³
	100	m ² /s	2.3 x 10 ⁻³
	200	m ² /s	2 x 10 ⁻³
i = 0.1	20	m ² /s	0.7 x 10 ⁻³
	50	m ² /s	0.65 x 10 ⁻³
	100	m ² /s	0.6 x 10 ⁻³
	200	m ² /s	0.5 x 10 ⁻³
i = 0.03	20	m ² /s	0.37 x 10 ⁻³
	50	m ² /s	0.35 x 10 ⁻³
	100	m ² /s	0.32 x 10 ⁻³
	200	m ² /s	0.25 x 10 ⁻³
Properties fleece	Test Method	Unit	EnkaDrain™ 5006C/5-2S/T110PP
Dynamic perforation resistance (cone drop) top fleece	EN ISO 13433	mm	35
Static puncture resistance (CBR)	EN ISO 12236	kN	1
Characteristic opening size (O90)	EN ISO 12956	µm	140
Water permeability normal to the plane (Vlh50)	EN ISO 11058	mm/s	70
Dimensions		Unit	EnkaDrain™ 5006C/5-2S/T110PP
Width x Length		m	5 x 100
Length / diameter of roll		m	5.3 x 0.95
Gross weight		kg	389

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



Doc ref: ED6C523/V1/I0022026

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