



Enkadrain®

Geocomposite for drainage and filtration

PRODUCT DATA

5004F/5-2s/M110PP 5006H/5-2s/M110PP 5006H/5-2s/M200PP 5004C/5-2s/M110PP

Properties geocomposite

Hydraulic gradient	load	Flow capacity ^[1] in l/(s.m), (EN ISO 12958)			
	kPa				
i = 1	20	1.00	2.50	1.70	1.00
	50	0.95	2.30	1.55	0.90
	100	0.80	2.20	1.39	0.82
	200	---	1.40	1.13	0.75
i = 0.1	20	0.26	0.69	0.53	0.20
	50	0.22	0.62	0.44	0.17
	100	0.20	0.56	0.38	0.15
	200	---	0.29	0.28	0.14
i = 0.03	20	0.09	0.25	0.19	0.08
	50	0.08	0.22	0.16	0.07
	100	0.04	0.19	0.14	0.05
	200	---	0.11	0.10	0.04
Polymer (core/fleece)		PP/ PP	PP/ PP	PP / PP	PP / PP
Mass per unit area (EN ISO 9864)	g/m ²	520	620	800	720
Thickness (EN ISO 9863-1)	mm	4.2	6.2	8.7	4.5
Tensile strength (md/cmd) ^[2] (EN ISO 10319)	kN/m	16	16	22	16
Elongation at break (md/cmd) ^[2] (EN ISO 10319)	%	45	45	60/70	45

Properties fleece

Dynamic perforation (Cone drop) (EN ISO 13433)	mm	32	32	20	32
Opening size (O ₉₀) (EN ISO 12956)	µm	90	90	110	90
Water permeability (V _I H ₅₀) (EN ISO 11058)	mm/s	100	100	80	100

Dimensions

Length x width of geocomposite	m	100 x 5.0	100 x 5.0	100 x 5.0	100 x 5.0
Length / diameter of roll	m	5.3 / 0.8	5.3 / 0.95	5.3 / 1.05	5.3 / 0.8
Gross weight ^[3]	kg	287	337	427	387

The values given are indicative values obtained in our laboratories and independent testing institutes. The material must be covered within 30 days after installation.

[1] Flow capacity is tested in machine direction under rigid/foam circumstances.

[2] md = machine direction / cmd = cross machine direction.

[3] Gross weight = geocomposite + core + packaging, individual values may vary.

