



Enkadrain[®]

Geocomposite for drainage and filtration

PRODUCT DATA

ST

TP

TPL

Properties geocomposite

Hydraulic gradient	load	Flow capacity ^[1] in l/(s.m), (EN ISO 12958)		
i = 1	kPa			
	20	3.20	2.50	2.00
	50	1.18	1.52	0.87
	100	0.50	0.75	0.33
i = 0.1	200	0.20	0.28	0.11
	20	0.86	0.67	0.51
	50	0.28	0.41	0.25
	100	0.11	0.21	0.08
i = 0.03	200	0.04	0.07	0.02
	20	0.40	0.32	0.27
	50	0.13	0.20	0.11
	100	0.05	0.10	0.03
200	0.01	0.03	0.01	
Polymer (core/fleece)		PA / PET-PA	PA / PET-PA	PA / PET-PA
Mass per unit area (EN ISO 9864)	g/m ²	950	950	700
Thickness (EN ISO 9863-1)	mm	22	10	10
Tensile strength (md/cmd) ^[2] (EN ISO 10319)	kN/m	15.6	15.6	15.6
Elongation at break (md/cmd) ^[2] (EN ISO 10319)	%	33	33	33
Dynamic perforation (Cone drop) (EN ISO 13433)	mm	10	10	10

Properties fleece

Dynamic perforation (Cone drop) (EN ISO 13433)	mm	42	42	42
Opening size (O ₉₀) (EN ISO 12956)	µm	160	160	160
Water permeability (V _{IH50}) (EN ISO 11058)	mm/s	160	160	160

Dimensions

Length x width of geocomposite	m	30 x 1.0	45 x 1.0	45 x 1.0
Length / diameter of roll	m	1.02 / 1.10	1.02 / 0.85	1.02 / 0.8
Gross weight ^[3]	kg	29	44	32

The values given are indicative values obtained in our laboratories and independent testing institutes. The material must be covered within 14 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.



The information set forth in this data sheet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.

Colbond bv
P.O. Box 9600
6800 TC Arnhem
The Netherlands

T: +31 26 366 4600
F: +31 26 366 5812
geosynthetics@colbond.com
www.colbond-geosynthetics.com
www.colbond.com