



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)		
	kPa			
i = 1	20	3.20	2.50	2.00
	50	1.18	1.52	0.87
	100	0.50	0.75	0.33
	200	0.20	0.28	0.11
i = 0.1	20	0.86	0.67	0.51
	50	0.28	0.41	0.25
	100	0.11	0.21	0.08
	200	0.04	0.07	0.02
i = 0.03	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	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.

