

DATA SHEET

DRENFOL 500+110

geocomposite

DRENFOL 500+110 geocomposite, the height of dimples is about 8 mm, HDPE membrane thickness of about 0,5 mm, geotextile PE, product type F+S+D (filtration, separation, drainage) according to the harmonized standard EN 13252

Property	Test Method	Unit	Value
Tensile strength	PN EN ISO 10319	kN/m	MD 15 (-1,5)
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Relative elongation at maximum load	PN EN ISO 10319	%	MD 45 (±5,6)
			CMD 38 (±2,6)
In-plane water flow capacity of a product 20kPa gradient 1,0	PN EN ISO 12958	l/(ms)	3,2 (-0,24)
Resistance to static puncture (CBR)	PN EN ISO 12236	kN	1,00 (-0,10)
Dynamic perforation resistance (cone drop)	PN EN 13433	mm	35 (+7)
Characteristic opening size	PN EN ISO 12956	µm	140 (± 42)
Water permeability normal to the plane of a product V_{H50}	EN ISO 11058	m/s	70×10^{-3} (-21×10^{-3})
Durability (According to Annex B) resistance to weathering against ageing	PN EN 12224	—	Cover within 2 weeks after application
Durability (According to Annex B) resistance to chemical degradation	PN EN ISO 13438	—	Durability planned for a minimum of 25 years on natural soils with a $4 < \text{pH} < 9$ and a temperature $< 25^{\circ}\text{C}$
Mass per unit area	PN EN ISO 9864: 2007	g/m ²	640 (±65)
Compressive strength	PMS 967252: 2013	kN/m ²	225 (-21)
Joint - seam*	Type	Mechanical modular seam (overlap), approx. 200 mm - Strengthened version: joined sheets additionally glued within the seam area with a double sided adhesive tape - Sealed version: at least 5 mm butyl tape within the seam area	

The table contains average values of each property from tests made during the period from September 2013 until March 2014.

* The joint made during installation by a contractor.