

## DATA SHEET

# VENTFOL POWER

## Specifications of VENTFOL geomembranes

VENTFOL POWER geomembrane, the height of dimples is about 8 mm, Type V according to the harmonized standard EN 13967

Property	Test Method	Units	Value
Water tightness	PN EN 1928 Test A	2kPa/24h	6kPa/24h
Resistance to static load	PN EN 12730	kg/24h	≥40kg/24h
Maximum tensile force	PN EN 12311-2	N/50 mm	MD ≥630 CMD ≥500
Elongation at maximum tensile force	PN EN 12311-2	%	MD ≥48 CMD ≥32
Durability of water tightness against ageing	PN EN 1928 after testing per PN EN 1296	2kPa/24h	Test requirements are met
Durability of water tightness against chemicals	PN EN 1928 after testing per PN EN 1847	2kPa/24h	Test requirements are met
Resistance to impact	PN EN 12691	mm	≥500
Resistance to tearing (nail shank): products without reinforcement	PN EN 12310-1	N	MD ≥550 CMD ≥650
Reaction to fire	PN EN 13501-01	—	F
Resistance to deformation under a load	Annex B to standard PN EN 13967/2012, to standard 14909	—	40kPa/24h deformation below 5%
Compressive strength	PMS 967252:2013	kN/m <sup>2</sup>	≥610
Length	PN EN 1848-2	m	According to Customer's order ±0,2
Width	PN EN 1848-2	m	According to Customer's order ±0,005
Mass per unit area	PN EN 1849-2	g/m <sup>2</sup>	850±10%
Straightness	PN EN 1848-2	max 75 mm	max 50
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.