



## Wallbarn - Technical Datasheet Geotextile PEIT

Nonwoven geotextile made with polyester for filtration, separation, protection and drainage.

Physical Properties		150	200	250	300	350	400	500	600	700	800	1000	1200	1500
Mass per unit area [EN ISO 9864]	g/m <sup>2</sup>	150	200	250	300	350	400	500	600	700	800	1000	1200	1500
Thickness [EN ISO 9863-1]	mm	0.9	1.1	1.3	1.6	1.75	1.9	2.2	2.8	3	3.5	4	4.5	6

Mechanical properties			150	200	250	300	350	400	500	600	700	800	1000	1200	1500
Tensile strength [EN ISO 10319]	MD	kN/m	1.2	1.8	2	2.5	2.8	3.2	4.2	5.5	6	6.5	7.5	13	20
	CMD	kN/m	1.2	1.8	2	2.7	3.2	4	5.2	7.5	8	9	10.5	16	25
Elongation at max.load [EN ISO 10319]	MD	%	50	50	50	50	50	50	60	70	70	80	80	80	80
	CMD	%	60	60	60	60	60	60	70	80	80	90	90	90	90
Energy absorption index [EN ISO 10318]	kJ/m <sup>2</sup>		0.3	0.5	0.6	0.7	0.8	1	1.5	2.4	2.6	3.3	3.8	6.2	9.6
Static puncture resistance [EN ISO 12236]	kN		0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.2	1.4	1.8	2.2	2.8	4
Dynamic puncture resistance [EN ISO 13433]	mm		>50	>50	45	40	30	20	16	6	2	2	0	0	0
Pyramidal puncture resistance [EN 14574]	N		-	-	-	100	150	180	200	250	270	300	500	700	800

Hydraulic Properties		150	200	250	300	350	400	500	600	700	800	1000	1200	1500
Permeability normal to the plane [EN ISO 11058]	mm/s	110	100	80	60	50	40	30	25	25	20	20	20	20
In-plane flow capacity [EN ISO 12958]	10 <sup>-3</sup> l/ms	1.6	2.1	2.3	2.7	3	3.2	5	7	7	8	9	9	9
Characteristic opening size [EN ISO 12956]	µm	65	60	55	55	55	45	45	35	35	35	30	30	30

µm = Micrometre

mm/s = Millimetre per second

kJ/m<sup>2</sup> = Kilojoule per square metre

MD = Machine Direction/Longitudinal

kg/dm<sup>3</sup> = Kilogram per cubic decimetre

kN = Kilonewton

mm = Millimetre

g/m<sup>2</sup> = Gram per square metre

kN/m = Kilonewton per metre

<sup>-3</sup>l/ms = Cubic metre per millisecond

CMD = Cross Machine Direction/Trasversal

The values given are an average obtained in internal labs and official independent testing institutes. The right is reserved to make changes any time without notice.

Wallbarn Ltd

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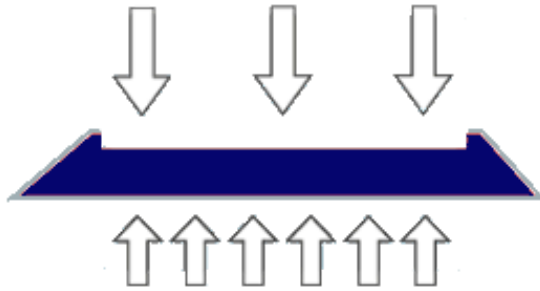
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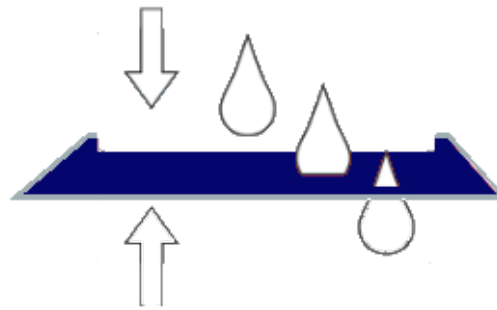
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### MAIN FUNCTIONS



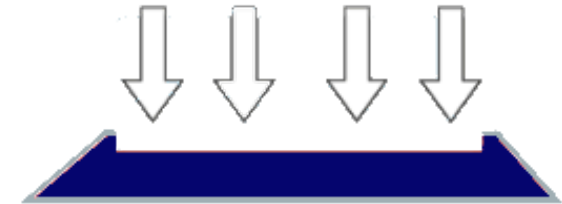
#### SEPARATION

**Separation & retaining of soil and/or filling materials to stabilise groundworks**



#### FILTRATION

**Retaining soil or other particles while allowing the passage of moisture**



#### PROTECTION

**Preventing compression or puncture damage to delicate membranes beneath**

Wallbarn PEIT is needle punched and calandered.

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## Wallbarn - Technical Datasheet



**Roads, Railways &  
Heavy Traffic Areas**

**Landfill for Solid &  
Liquid Waste**

**Roofing**

