

GEODREN PEIT 500



Nonwoven geotextile made by polyester, needlepunched and calandered, produced without using of any glues or chemical binders and post-consumer raw material.

Physical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Mass per unit area	[EN ISO 9864]		500	g/m ²	+/- 10	+/- 50
Thickness	[EN ISO 9863-1]	2 kPa	2,20	mm	+/- 20	+/- 0,44
	[EN ISO 9863-1]	20 kPa	1,80	mm	+/- 20	+/- 0,36
	[EN ISO 9863-1]	200 kPa	1,20	mm	+/- 20	+/- 0,24
Mechanical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Tensile strength	[EN ISO 10319]	MD	4,2	kN/m	- 15	- 0,6
	[EN ISO 10319]	CMD	5,2	kN/m	- 15	- 0,8
Elongation at maximum load	[EN ISO 10319]	MD	60	%	+/- 30	+/- 18
	[EN ISO 10319]	CMD	70	%	+/- 30	+/- 21
Static puncture resistance (CBR)	[EN ISO 12236]		0,80	kN	- 30	- 0,24
Dynamic puncture resistance	[EN ISO 13433]		16	mm	+ 30	+ 5
Pyramidal puncture resistance	[EN 14574]		400	N	- 20	- 80
Hydraulic properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Velocity index	[EN ISO 11058]		30	mm/s	- 30	- 9
Permeability normal to the plane	[EN ISO 11058]		30	l/m ² s	- 30	- 9
Characteristic opening size	[EN ISO 12956]		45	µm	+/- 0	+/- 0
Durability properties						
Weathering resistance	[EN 12224]	To be covered within 15 days from the day of installation.				
Service life	[-]	Forecast minimum durability of 5 years in natural ground with 4<pH<9 and soil temperature < 25°C.				

The values given are an average obtained in our laboratories and in official testing institutes.
 The confidence level is 95%
 The right is reserved to make changes any time without notice.

MD = Machine Direction/Longitudinale; CMD = Cross Machine Direction/Trasversale; NA = Not Applicable/Non Applicabile

Ref.

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Approved by CQ

Approved by UT
