

GEODREN PEIT 120



1213-CPR-3275

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]		120	g/m ²	+/- 10	+/- 12
Thickness	[EN ISO 9863-1]	2 kPa	0,70	mm	+/- 20	+/- 0,14
	[EN ISO 9863-1]	20 kPa	0,50	mm	+/- 20	+/- 0,10
	[EN ISO 9863-1]	200 kPa	0,30	mm	+/- 20	+/- 0,06

Mechanical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Tensile strength	[EN ISO 10319]	MD	0,6	kN/m	- 15	- 0,1
	[EN ISO 10319]	CMD	0,7	kN/m	- 15	- 0,1
Elongation at maximum load	[EN ISO 10319]	MD	50	%	+/- 30	+/- 15
	[EN ISO 10319]	CMD	60	%	+/- 30	+/- 18
Static puncture resistance (CBR)	[EN ISO 12236]		0,10	kN	- 30	- 0,03
Dynamic puncture resistance	[EN ISO 13433]	>	50	mm		


Hydraulic properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Velocity index	[EN ISO 11058]		120	mm/s	- 30	- 36
Characteristic opening size	[EN ISO 12956]		65	µm	+/- 30	+/- 20

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

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Cod. 000001 Rev.4 Data Rev.: 27-02-2018

Approved by CQ


Approved by UT


GEODREN PEIT 200



1213-CPR-3275

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]		200	g/m ²	+/- 10	+/- 20
Thickness	[EN ISO 9863-1]	2 kPa	1,10	mm	+/- 20	+/- 0,22
	[EN ISO 9863-1]	20 kPa	0,80	mm	+/- 20	+/- 0,16
	[EN ISO 9863-1]	200 kPa	0,50	mm	+/- 20	+/- 0,10

Mechanical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Tensile strength	[EN ISO 10319]	MD	1,8	kN/m	- 15	- 0,3
	[EN ISO 10319]	CMD	1,8	kN/m	- 15	- 0,3
Elongation at maximum load	[EN ISO 10319]	MD	50	%	+/- 30	+/- 15
	[EN ISO 10319]	CMD	60	%	+/- 30	+/- 18
Static puncture resistance (CBR)	[EN ISO 12236]		0,30	kN	- 30	- 0,09
Dynamic puncture resistance	[EN ISO 13433]	>	50	mm		
Pyramidal puncture resistance	[EN 14574]		150	N	- 20	- 30

Hydraulic properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Velocity index	[EN ISO 11058]		100	mm/s	- 30	- 30
Characteristic opening size	[EN ISO 12956]		60	µm	+/- 30	+/- 18

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%

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GEODREN PEIT 300




1213-CPR-3275

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]		300	g/m ²	+/- 10	+/- 30
Thickness	[EN ISO 9863-1]	2 kPa	1,60	mm	+/- 20	+/- 0,32
	[EN ISO 9863-1]	20 kPa	1,20	mm	+/- 20	+/- 0,24
	[EN ISO 9863-1]	200 kPa	0,70	mm	+/- 20	+/- 0,14
Mechanical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Tensile strength	[EN ISO 10319]	MD	2,5	kN/m	- 15	- 0,4
	[EN ISO 10319]	CMD	2,7	kN/m	- 15	- 0,4
Elongation at maximum load	[EN ISO 10319]	MD	50	%	+/- 30	+/- 15
	[EN ISO 10319]	CMD	60	%	+/- 30	+/- 18
Static puncture resistance (CBR)	[EN ISO 12236]		0,50	kN	- 30	- 0,15
Dynamic puncture resistance	[EN ISO 13433]		40	mm	+ 20	+ 8
Pyramidal puncture resistance	[EN 14574]		250	N	- 20	- 50
Hydraulic properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Velocity index	[EN ISO 11058]		60	mm/s	- 30	- 18
Characteristic opening size	[EN ISO 12956]		55	µm	+/- 30	+/- 17
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.				
<p>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.</p>						

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