

GEODREN PPEXT 150



Nonwoven geotextile made by polypropylene, 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]	150	g/m ²	+/- 10	+/- 15
Thickness	[EN ISO 9863-1] 2 kPa	1,10	mm	+/- 20	+/- 0,22
	[EN ISO 9863-1] 20 kPa	0,90	mm	+/- 20	+/- 0,18
	[EN ISO 9863-1] 200 kPa	0,60	mm	+/- 20	+/- 0,12

Mechanical properties	Standard	Value	Units	Tolerance %	Tolerance (units)
Tensile strength	[EN ISO 10319] MD	3,5	kN/m	- 15	- 0,5
	[EN ISO 10319] CMD	4,0	kN/m	- 15	- 0,6
Elongation at maximum load	[EN ISO 10319] MD	70	%	+/- 30	+/- 21
	[EN ISO 10319] CMD	80	%	+/- 30	+/- 24
Static puncture resistance (CBR)	[EN ISO 12236]	0,80	kN	- 15	- 0,12
Dynamic puncture resistance	[EN ISO 13433]	36	mm	+ 25	+ 9


Hydraulic properties	Standard	Value	Units	Tolerance %	Tolerance (units)
Velocity index	[EN ISO 11058]	80	mm/s	- 30	- 24
Characteristic opening size	[EN ISO 12956]	80	µm	- 30	- 24

Durability properties	Standard	Value	Units	Tolerance %	Tolerance (units)
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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Prepared by CQ


Approved by UT
