



GEODREN PPST 300



1213-CPR-3269

Nonwoven geotextile made by high tenacity polypropylene staples, UV stabilized, 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/m2	+/- 10	+/- 30
Thickness	[EN ISO 9863-1]	2 kPa	1,40	mm	+/- 20	+/- 0,28
Mechanical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Tensile strength	[EN ISO 10319]	MD	25,0	kN/m	- 10	- 2,5
	[EN ISO 10319]	CMD	25,0	kN/m	- 10	- 2,5
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]		4,00	kN	- 10	- 0,40
Dynamic puncture resistance	[EN ISO 13433]		10	mm	+ 20	+ 2
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
Characteristic opening size	[EN ISO 12956]		55	µm	+/- 30	+/- 17
Durability properties						
Weathering resistance	[EN 12224]	To be covered within 30 days from the day of installation.				
Service in life	[-]	Predicted to be durable for 100 years in natural soil with 4<pH<9 and soil temperature <25°C on the basis of results of test method EN ISO 13438 procedure A according EN 13249:2016 and ff.				

The values are guiding values 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.

Cod. 000074

Rev.3

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Approved by CQ

Approved by UT