



GEODREN A3



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]		105	g/m2	+/- 10	+/- 11
Thickness	[EN ISO 9863-1]	2 kPa	0,60	mm	+/- 20	+/- 0,12
Mechanical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Tensile strength	[EN ISO 10319]	MD	8,0	kN/m	- 13	- 1,0
	[EN ISO 10319]	CMD	8,0	kN/m	- 13	- 1,0
Elongation at maximum load	[EN ISO 10319]	MD	40	%	+/- 23	+/- 9
	[EN ISO 10319]	CMD	55	%	+/- 23	+/- 13
Dynamic puncture resistance	[EN ISO 13433]		36	mm	+ 25	+ 9
Pyramidal puncture resistance (French standard)	[NF G 38 019]		0,55	kN	- 30	- 0,17
Static puncture resistance (CBR)	[EN ISO 12236]		1,30	kN	- 10	- 0,13
Hydraulic properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Velocity index	[EN ISO 11058]		100	mm/s	- 30	- 30
Characteristic opening size	[EN ISO 12956]		90	µm	+/- 30	+/- 27
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. 000041

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Approved by CQ

Approved by UT