

NEWDRAIN B20-500 FCF100



Three dimensional geocomposite for drainage, with bubbles morphology together with two non woven geotextile for filtration and separation.

Core	Standard	Value	Units	Tolerance %	Tolerance (units)
Polymer		Black polypropylene stabilized to UV light by carbon black additive.			
Wire diameter		0,6	mm	+/- 20	+/- 0,1

Geotextile	Standard	Value	Units	Tolerance %	Tolerance (units)
Description		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.			
Mass per unit area	[EN ISO 9864]	100	g/m ²	- 10	- 10
Tensile strength	[EN ISO 10319] MD	7,5	kN/m	- 13	- 1,0
	[EN ISO 10319] CMD	7,5	kN/m	- 13	- 1,0
Static puncture resistance (CBR)	[EN ISO 12236]	1,10	kN	- 13	- 0,14
Dynamic puncture resistance	[EN ISO 13433]	38	mm	+ 30	+ 11
Velocity index	[EN ISO 11058]	110	mm/s	- 30	- 33
Characteristic opening size	[EN ISO 12956]	100	µm	+/- 30	+/- 30


Geocomposite	Standard	Value	Units	Tolerance %	Tolerance (units)
Mass per unit area	[EN ISO 9864]	700	g/m ²	+/- 7	+/- 49
Thickness	[EN ISO 9863-1] 2 kPa	20,00	mm	+/- 12	+/- 2,40
Tensile strength	[EN ISO 10319] MD	15,0	kN/m	- 13	- 2,0
	[EN ISO 10319] CMD	15,0	kN/m	- 13	- 2,0
Water flow capacity in their plane, contact surfaces	[EN ISO 12958] Hard - Soft				
Water flow capacity in their plane	[EN ISO 12958] 20 kPa i=1	5,300	l/m*s	- 30	- 1,590
	[EN ISO 12958] 100 kPa i=1	0,410	l/m*s	- 30	- 0,123
	[EN ISO 12958] 200 kPa i=1	0,110	l/m*s	- 30	- 0,033
Water flow capacity in their plane	[EN ISO 12958] 20 kPa i=0.1	1,480	l/m*s	- 30	- 0,444
	[EN ISO 12958] 100 kPa i=0.1	0,070	l/m*s	- 30	- 0,021
	[EN ISO 12958] 200 kPa i=0.1	0,020	l/m*s	- 30	- 0,006

Durability properties					
Weathering resistance	[EN 12224]	To be covered within 30 days from the day of installation.			
Service in life	[EN ISO 13438]	Predicted to be durable for 25 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 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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Approved by CQ


Approved by UT
