

# GEODRAIN GARDEN

## Drainage system for civil engineering application

Technical data sheet



### Description

Geocomposite for drainage and ventilation in plane, made of extruded monofilaments, with isometrical bubbles morfology, bonded with two geotextiles for filtration and separation.

### Technical data

FILTERS	NORM	M.U.	VALUE	TOLERANCE
Type / Raw material	non-woven / polypropylene, UV stabilized, white colour			
Mass per unit area	EN ISO 9864	g/m <sup>2</sup>	100	(-10%)
Av. Tensile strength MD/CMD	EN ISO 10319	Kn/m	7,5/7,5	(-13%)
Static puncture resistance	EN ISO 12236	N	1100	(-13%)
Dynamic perforation resistance	EN ISO 13433	mm	38	(+20%)
Flux normal to the plane	EN ISO 11058	l/(m <sup>2</sup> /s)	110	(-30%)
Charact. opening size O90	EN ISO 12956	micron	100	(±30%)
CORE	NORM	M.U.	VALUE	TOLERANCE
Raw material	polypropylene, UV stabilized, additivated with carbon balck, black colour			
Monofilament diameter		mm	0,6	(±20%)
COMPOSITE	NORM	M.U.	VALUE	TOLERANCE
Thickness at 2 KPa	EN ISO 9863-1	mm	22	(±12%)
Mass per unit area	EN ISO 9864	g/m <sup>2</sup>	750	(±7%)
Tensile strength MD/CMD	EN ISO 10319	kN/m	15	(-13%)
In plane drainage capacity MD	EN ISO 12958	l/(m/s)		(-30%)
CONTACT: RIGID/SOFT		VALUE	VALUE	
	<b>Load</b>	<b>Hydraulic gradient</b>		
		0,1	1	
	20kPa	1,59	5,48	
	100kPa	0,08	0,44	
	200kPa	0,022	0,13	
STANDARD DIMENSIONS		M.U.	VALUE	TOLERANCE
Width		cm	240	(± 5 cm)
Lenght		m	25	av
Roll area		m <sup>2</sup>	60,0	(±4%)
Roll diameter		cm	80	av
PACKAGING				
Hi-resistance PE film				
Maximum exposure time after installation			2 weeks	

The data reported in this data sheet are based on average values of production and the current state of the art technology. We reserve the right to change these data without notice, based on production technology development and / or experience. No responsibility can be traced to the information contained in this data sheet. The product's compatibility with the specific use intended will be determined by the user.