



# QDRAIN C20 65 12F

Year of last update: **2024**



Function: **Drainage**

**STRUCTURE:** drainage geocomposite made by a 3-dimensional, high void ratio monofilaments core heat bonded with two filter geotextiles

## FILTER GEOTEXTILES

			<i>tol</i>	
Raw material			<b>PP</b>	
Weight	EN ISO 9864	g/m <sup>2</sup>	<b>120</b>	+/-12
Thickness	EN ISO 9863-1	mm	<b>0,8</b>	±20%
Tensile strength MD/CMD	EN ISO 10319	kN/m	<b>9/9</b>	-1,5/-1,5
Elongation at max load MD/CMD	EN ISO 10319	%	<b>55/60</b>	±25
CBR puncture resistance	EN ISO 12236	N	<b>1400</b>	-140
Cone drop test	EN ISO 13433	mm	<b>33</b>	+6
Water permeability normal to the plane	EN ISO 11058	mm/s	<b>85</b>	-30
Opening size	EN ISO 12956	micron	<b>90</b>	±30

## DRAINAGE CORE

			<i>tol</i>	
Raw material			<b>PP</b>	
Weight	EN ISO 9864	g/m <sup>2</sup>	<b>650</b>	+/-10%
Width		m	<b>2-4</b>	+/-3%

## GEOCOMPOSITE

			<i>tol</i>	
Weight	EN ISO 9864	g/m <sup>2</sup>	<b>890</b>	+/-10%
Thickness	EN ISO 9863-1	mm	<b>20</b>	±4
Tensile strength MD/CMD	EN ISO 10319	kN/m	<b>18/18</b>	+/-2
Elongation at max load MD/CMD	EN ISO 10319	%	<b>80/80</b>	±35

## HYDRAULIC PERFORMANCES

Plane flow capacity MD	EN ISO 12958-1		l/(m·s)			<i>±25 %</i>
	Hydraulic gradient	Contact	<i>i = 0,04</i>	<i>i = 0,10</i>	<i>i = 1</i>	
	Load: 20 kPa	S/R	0,95	1,50	5,00	
	" 50 kPa	S/R	0,22	0,40	1,60	
	" 100 kPa	S/R	0,05	0,10	0,40	

S/S: Soft/Soft Contact - S/R: Soft/Rigid Contact - R/R: Rigid/Rigid Contact

## STANDARD DIMENSIONS

			<i>tol</i>	
Width		m	<b>2-4</b>	±3%
Length		m	<b>20</b>	±2%

To be covered within one month after installation



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