



QDRAIN C20 65 10F

Reference norms: **EN 13252**

Certificate number: **1213-CPD-3910**



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		PP		
Weight	EN ISO 9864	g/m ²	100	-10%
Thickness	EN ISO 9863-1	mm	0,65	±20%
Tensile strength MD/CMD	EN ISO 10319	kN/m	6/6	-10%
Elongation at max load MD/CMD	EN ISO 10319	%	50/60	±25%
CBR puncture resistance	EN ISO 12236	N	1000	-100
Cone drop test	EN ISO 13433	mm	36	+4
Water permeability normal to the plane	EN ISO 11058	mm/s	90	-30
Opening size	EN ISO 12956	micron	95	±30

DRAINAGE CORE

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

GEOCOMPOSITE

			<i>tol</i>	
Weight	EN ISO 9864	g/m ²	850	+/-10%
Thickness	EN ISO 9863-1	mm	20	±2
Tensile strength MD/CMD	EN ISO 10319	kN/m	13/13	+/-2
Elongation at max load MD/CMD	EN ISO 10319	%	80/80	+/-35

HYDRAULIC PERFORMANCES

			<i>tol</i>		
Plane flow capacity MD	EN ISO 12958	l/(m·s)			
	<i>Hydraulic gradient</i>	<i>Contact</i>	<i>i = 0,04</i>	<i>i = 0,10</i>	<i>i = 1</i>
	<i>Load: 20 kPa</i>	S/R	0,95	1,60	4,20
	<i>" 50 kPa</i>	S/R	0,30	0,45	1,70
	<i>" 100 kPa</i>	S/R	0,10	0,12	0,40

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

STANDARD DIMENSIONS

			<i>tol</i>	
Width		m	2-4	±3%
Length		m	20	±2%
Rolls/pallet		n°	4	



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