QDRAIN C20 65 10F

Year of last update: **2024**

CE

Function: **Drainage**

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

FILTER GEOTEXTILES				*tol*
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**	*-1/-1*
Elongation at max load MD/CMD	EN ISO 10319	%	**45/65**	*±20*
CBR puncture resistance	EN ISO 12236	N	**1000**	*-100*
Cone drop test	EN ISO 13433	mm	**34**	*9*
Water permeability normal to the plane	EN ISO 11058	mm/s	**90**	*-40*
Opening size	EN ISO 12956	micron	**95**	*±35*

DRAINAGE CORE				
Raw material			**PP**	
Weight	EN ISO 9864	g/m^2	**650**	*+/-10%*
Width		m	**2-4**	*+/-3%*

GEOCOMPOSITE				*tol*
Weight	EN ISO 9864	g/m^2	**850**	*+/-10%*
Thickness	EN ISO 9863-1	mm	**20**	*±4*
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				
Plane flow capacity MD	EN ISO 12958-1	l/(m·s)		*±25 %*

Hydraulic gradient	*Contact*	*i = 0,04*	*i = 0,10*	*i = 1*
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			*tol*
Width	m	**2-4**	*±3%*
Length	m	**20**	*±2%*

To be covered within one month after installation

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EPD®

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