



QDRAIN ZW5 40 10F

Year of last update: **2017**
Reference norms: **EN 13252**

Certificate number: **1213-CPD-4006**



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	1,2	±20%
Tensile strength MD/CMD	EN ISO 10319	kN/m	6/6	-0,6
Elongation at max load MD/CMD	EN ISO 10319	%	60/85	±20
CBR puncture resistance	EN ISO 12236	N	1100	-105
Cone drop test	EN ISO 13433	mm	25	+6
Water permeability normal to the plane	EN ISO 11058	mm/s	120	-36
Opening size	EN ISO 12956	micron	110	±35

DRAINAGE CORE

				<i>tol</i>
Raw material			PP	
Weight	EN ISO 9864	g/m ²	400	
Width		m	2-4	

GEOCOMPOSITE

				<i>tol</i>
Weight	EN ISO 9864	g/m ²	600	±60
Thickness	EN ISO 9863-1	mm	5,5	±1
Tensile strength MD/CMD	EN ISO 10319	kN/m	12/12	-2
Elongation at max load MD/CMD	EN ISO 10319	%	70/70	±20

HYDRAULIC PERFORMANCES

		EN ISO 12958	l/(m·s)	<i>tol</i>	
Plane flow capacity MD (20kPa, S/S, i=1)			0,6	-0,2	
Plane flow capacity MD				-20%	
	<i>Hydraulic gradient</i>	<i>Contact</i>	<i>i = 0,04</i>	<i>i = 0,10</i>	<i>i = 1</i>
	Load: 20 kPa	S/R	0,12	0,20	1,00
	" 50 kPa	S/R	0,10	0,18	0,80
	" 100 kPa	S/R	0,08	0,15	0,65

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	50	±2%
Filter overlapping		cm	10	
Rolls/pallet		n°	4	



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TeMa Technologies and Materials srl

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