

DuraFlow Q 800/2/14

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Product Description: Cirtex® DuraFlow Q 800/2/14 drainage geocomposite made by a 3-dimensional, high void ratio monofilaments core heat bonded with two filter geotextiles.

PHYSICAL PROPERTIES	STANDARD	UNIT		TOLERANCE	
FILTER GEOTEXTILES					
Raw material			PP		
Weight	EN ISO 9864	g/m ²	140	-14	
Thickness	EN ISO 9863-1	mm	1,5	-0,3	
Tensile Strength MD/CMD	EN ISO 10319	kN/m	9,5/9,5	-1	
Elongation at max load MD/CMD	EN ISO 10319	%	60/80	±20	
CBR puncture resistance	EN ISO 12236	N	1600	-160	
Cone drop test	EN ISO 13433	mm	21	+4	
Water permeability normal to the plane	EN ISO 11058	mm/s	116	-35	
Opening size	EN ISO 12956	micron	75	±30	
DRAINAGE CORE					
Raw material			PP		
Weight	EN ISO 9864	g/m ²	500		
Width		m	2-4		
GEOCOMPOSITE					
Weight	EN ISO 9864	g/m ²	780	±78	
Thickness	EN ISO 9863-1	mm	8	±1	
Tensile strength MD/CMD	EN ISO 10319	kN/m	20/20	-2	
Elongation at max load MD/CMD	EN ISO 10319	%	70/70	±25	
HYDRAULIC PERFORMANCES					
Plane flow capacity MD (20kPa, S/S, i=1)	EN ISO 12958	l/(m·s)	1,9	-0,4	
Plane flow capacity MD	EN ISO 12958	l/(m·s)		-20%	
S/S: Soft/Soft Contact S/R: Soft/Rigid Contact R/R: Rigid/Rigid Contact	Hydraulic gradient	Contact	i = 0,04	i = 0,10	i = 1
	Load: 20 kPa	S/R	0,35	0,55	2,20
	“ 50 kPa	S/R	0,30	0,50	1,90
	“ 100 kPa	S/R	0,25	0,40	1,40
	“ 200 kPa	S/R	0,05	0,12	0,20
STANDARD DIMENSIONS					
Width		m	2-4	±3%	
Filter overlapping		cm	10		
Rolls/pallet		n°	4		



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