

Technical Data Sheet D1010

Physical properties	Standard	Unit	Value
Configuration			Fishbone
Material core			PP
Material filter			PET
Weight composite		g/m	75,0 (+/- 2)
Width composite		mm	100,0 (+/- 2)
Thickness composite		mm	3,5 (+/- 0.2)
Mechanical properties			
Tensile strength composite	EN ISO 10319	kN	2,5
Elongation at break	EN ISO 10319	%	30
Elongation at 0.5 kN	EN ISO 10319	%	< 5
Tensile strength filter	EN ISO 10319	kN	4.0
Busting strength filter	ASTM D3785	kPa	1000
Hydraulic properties filter			
Permittivity	ASTM D4491	1/s	0,3
Permeability	ASTM D4491	m/s	4.5*10 ⁻⁴
Flow rate	ASTM D4491	l/sec/m ²	14,0
Pore size (COS)	ASTM D4751	µm	<75
Hydraulic properties composite			
In plane flow capacity, q (200, 1)	EN 12958	l/m/s	70*10 ⁻³
Discharge capacity, q _w (360, 1)	ASTM D4716	m ³ /sec	75*10 ⁻⁶
Discharge capacity, q _w (360, 1) buckled	ASTM D4716	m ³ /sec	65*10 ⁻⁶
Transport details			
Roll length		m	320/3150
Roll diameter		m	1,17

All mechanical and hydraulic properties are average values, standard variations in mechanical strength of 10% and in hydraulic flow and pore size of 20% have to be allowed for.

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