







Bidim S

Bidim S geotextiles are mechanically bonded nonwovens made of 100 % polypropylene continuous filaments. 13 ASQUAL certified products.



Properties	Test method	Unit	S21 A	S21	S31 A	S31	S32 A	S32
ASQUAL certified geotextile								
Certified values according to function**								
Filtration			✓	✓	✓	✓	✓	✓
Separation			✓	✓	✓	✓	✓	✓
Drainage / Filtration						✓		✓
Tensile strength (MD*)	EN ISO 10319	kN/m	5	6	8	8	9	10
Tensile strength (CMD*)	EN ISO 10319	kN/m	5	6	8	8	9	10
Elongation at max. load (MD*)	EN ISO 10319	%	90	85	90	80	90	80
Elongation at max. load (CMD*)	EN ISO 10319	%	70	70	70	70	70	70
Dynamic perforation	EN ISO 13433	mm	40	34	32	31	28	28
Puncture resistance	NF G 38-019	N	200	400	400	400	500	500
CBR puncture resistance	EN ISO 12236	kN	0.70	1.05	1.20	1.20	1.40	1.45
Permeability normal to the plane ($\Delta h = 50$ mm)	EN ISO 11058	mm/s	180	100	110	100	100	100
Characteristic opening size (O90)	EN ISO 12956	μ m	260	125	135	105	115	105
Water flow capacity in the plane (20 kPa)	EN ISO 12958	l/ms	-	-	-	5.3E-4	7.0E-4	7.2E-4
Water flow capacity in the plane (100 kPa)	EN ISO 12958	l/ms	-	-	-	2.8E-4	1.7E-4	3.0E-4
Mass per unit area	EN ISO 9864	g/m ²	70	90	105	100	125	125
Thickness at 2 kPa load	EN ISO 9863-1	mm	0.65	1.10	0.80	1.20	0.95	1.40
Form of Supply***								
Long range (per roll)								
Width x Length		m	2x250	-	2x300	3x175	4x250	2x250
		m	4x250	6x250	4x300	6x300		6x250
Medium range (on pallet)								
Width x Length		m	2x130	-	2x130	-	-	-
		m	4x130		4x130			

Notes

* MD = Machine Direction, CMD = Cross Machine Direction

** See certified tolerances in the ASQUAL certificate

*** See Solmax general terms of sales

Attention! The values given are indicative and correspond to average results obtained in our laboratories and testing institutes. The right is reserved to make changes without notice at any time. Please check that you have at your disposal the latest edition of the technical data sheet.

Certification and Accreditation



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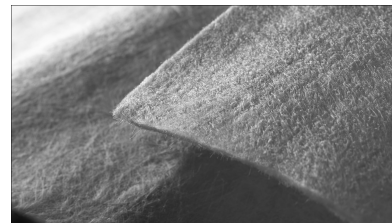
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Rev 72023



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Properties	Test method	Unit	S41 A	S41	S42	S51	S61	S72	S82	
ASQUAL certified geotextile										
Certified values according to function**										
	Filtration		✓	✓	✓	✓	✓	✓	✓	
	Separation		✓	✓	✓	✓	✓	✓	✓	
	Drainage / Filtration		✓	✓	✓	✓	✓	✓	✓	
Tensile strength (MD*)	EN ISO 10319	kN/m	12	12	15	16	20	25	30	
Tensile strength (CMD*)	EN ISO 10319	kN/m	12	12	15	16	20	25	30	
Elongation at max. load (MD*)	EN ISO 10319	%	90	80	80	80	80	83	80	
Elongation at max. load (CMD*)	EN ISO 10319	%	70	70	70	70	70	70	70	
Dynamic perforation	EN ISO 13433	mm	25	25	22	21	17	15	12	
Puncture resistance	NF G 38-019	N	700	700	800	900	1100	1.2	1400	
CBR puncture resistance	EN ISO 12236	kN	1.75	1.75	2.10	2.35	3.00	3.85	4.50	
Permeability normal to the plane ($\Delta h = 50$ mm)	EN ISO 11058	mm/s	90	100	90	85	70	55	55	
Characteristic opening size (O90)	EN ISO 12956	μm	110	100	100	100	95	90	85	
Water flow capacity in the plane (20 kPa)	EN ISO 12958	l/ms	1.0E-3	1.0E-3	1.3E-3	1.5E-3	2.0E-3	2.7E-3	3.7E-3	
Water flow capacity in the plane (100 kPa)	EN ISO 12958	l/ms	2.0E-4	4.0E-4	4.5E-4	5.0E-4	5.5E-4	6.8E-4	9.9E-4	
Mass per unit area	EN ISO 9864	g/m ²	155	150	180	200	250	300	385	
Thickness at 2 kPa load	EN ISO 9863-1	mm	1.05	1.60	1.80	2.00	2.40	2.90	3.40	
Form of Supply***										
Long range (per roll)										
Width x Length		m	-	3x230	3x200	3x180	3x140	3x120	3x90	
		m		6x230	6x200	6x180	6x140	6x120	6x90	
Medium range (on pallet)										
Width x Length		m	4x130	3x130	-	-	-	-	-	
		m								

Notes

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