

# Bidim P

Bidim P are 100% polypropylene continuous-filament needle punched nonwoven geotextiles. 9 ASQUAL certified products.



Properties	Test method	Unit	P20	P30	P40	P50	P60	P70	P80	P100S	P120
<b>ASQUAL certified geotextile</b>											
Certified values according to function**											
Filtration			✓	✓	✓	✓	✓	✓	✓	✓	✓
Protection			✓	✓	✓	✓	✓	✓	✓	✓	✓
Separation			✓	✓	✓	✓	✓	✓	✓	✓	✓
Drainage / Filtration			✓	✓	✓	✓	✓	✓	✓	✓	✓
Reinforcement				✓	✓	✓	✓	✓	✓	✓	
Tensile strength (MD*)	EN ISO 10319	kN/m	16	21	27	36	43	48	55	68	80
Tensile strength (CMD*)	EN ISO 10319	kN/m	16	21	27	36	43	48	55	68	80
Elongation (MD) (MD*)	EN ISO 10319	%	80	80	85	85	91	90	95	95	105
Elongation (CMD) (CMD*)	EN ISO 10319	%	68	70	70	70	72	70	75	90	105
Dynamic perforation	EN ISO 13433	mm	20	15	11	9	7.5	7	5.5	3.9	3
Puncture resistance	NF G 38-019	N	1100	1700	2100	2500	3100	3500	4000	5600	6200
CBR puncture resistance	EN ISO 12236	kN	2.40	3.50	4.70	5.90	7.00	7.90	9.20	11.00	11.30
Permeability normal to the plane ( $\Delta h = 50$ mm)	EN ISO 11058	mm/s	90	80	55	45	35	30	20	15	10
Characteristic opening size (O90)	EN ISO 12956	$\mu$ m	110	90	85	95	85	85	80	75	70
Water flow capacity in the plane (20 kPa)	EN ISO 12958	l/ms	1.5E-3	2.6E-3	3.9E-3	5.5E-3	7.1E-3	9.0E-3	1.1E-2	1.1E-2	1.1E-2
Water flow capacity in the plane (100 kPa)	EN ISO 12958	l/ms	4.0E-4	6.6E-4	1.1E-3	1.6E-3	2.3E-3	3.1E-3	4.1E-3	4.1E-3	4.1E-3
Mass per unit area	EN ISO 9864	g/m <sup>2</sup>	200	300	400	500	600	700	800	1000	1200
Thickness at 2 kPa load	EN ISO 9863-1	mm	2.00	3.00	3.40	4.50	5.00	5.70	6.30	7.50	8.50
<b>Specific properties related to the protection function***</b>											
Protection efficiency (Deformation at 300 kPa)	EN 13719	%	1.7	1.6	1.5	1.3	1.1	0.8	0.7	0.6	0.6
<b>Form of Supply****</b>											
Width		m	6	6	6	6	6	6	6	5.4	5.2
Length		m	220	120	100	80	65	55	50	40	35
Area		m <sup>2</sup>	1320	720	600	480	390	330	300	216	182

#### Notes

\* MD = Machine Direction, CMD = Cross Machine Direction \*\* See certified tolerances in the ASQUAL certificate

\*\*\* Certified values in accordance with CE marking. See certified tolerances on the declaration of performance

\*\*\*\* See Solmax general terms of sales

Attention! 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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