




# Bidim F

Bidim F is a two-layer continuous filament nonwoven, one layer designed as filter, the other layer as protection against damage of the filter. This construction allows an optimum number of constrictions in the filter layer, resulting in an extremely low clogging risk and high soil retention security.



Properties	Test method	Unit	F60	F70	F80
<b>ASQUAL certified geotextile</b>					
Certified values according to function**					
Filtration			✓	✓	✓
Separation			✓	✓	✓
Drainage / Filtration			✓	✓	✓
Protection			✓	✓	✓
Tensile strength (Tmax) (MD*)	EN ISO 10319	kN/m	30	32	40
Tensile strength (Tmax) (CMD*)	EN ISO 10319	kN/m	30	32	40
Elongation at max. load (εmax) (MD*)	EN ISO 10319	%	85	85	85
Elongation at max. load (εmax) (CMD*)	EN ISO 10319	%	70	70	75
Dynamic perforation	EN ISO 13433	mm	11	8.5	7
Puncture resistance	NF G 38-019	N	2000	3000	4000
CBR puncture resistance	EN ISO 12236	kN	4.60	4.80	7
Permeability normal to the plane (Δh = 50 mm)	EN ISO 11058	mm/s	60	45	30
Characteristic opening size (O90)	EN ISO 12956	μm	90	85	80
Water flow capacity in the plane (20 kPa)	EN ISO 12958	l/ms	4.0E-3	8.0E-3	1.2E-2
Water flow capacity in the plane (100 kPa)	EN ISO 12958	l/ms	1.1E-3	3.0E-3	4.5E-3
Mass per unit area	EN ISO 9864	g/m <sup>2</sup>	400	600	800
Thickness at 2 kPa load	EN ISO 9863-1	mm	3.70	4.70	6.50
<b>Specific properties related to the filtration function***</b>					
Number of filtration layer constrictions	XPG 38030		25 - 40	25 - 40	25 - 40
Flexibility (300 mm opening) (40 kPa)	NF G 38-021.2		0.4	0.3	0.3
Flexibility (300 mm opening) (60 kPa)	NF G 38-021.2		0.5	0.4	0.3
Energy absorption - Calculation*****	EN ISO 10319	kN/m	11.6	12.4	16.0
<b>Form of Supply*****</b>					
Width		m	6	6	6
Length		m	100	60	40
Area		m <sup>2</sup>	600	360	240

## Notes

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

\*\*\* Properties not ASQUAL certified, but validated by independent external controls

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

\*\*\*\*\* Energy absorption by the geotextile:  $E = 1/2 * ((T_{max,SP} * \epsilon_{max,SP}) + (T_{max,ST} * \epsilon_{max,ST}))/2$

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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Rev 72023