








# P Range

## 100% polypropylene continuous filament needle-punched non woven geotextiles

	Unit	Symbol	P20	P30	P40	P50	P60	P70	P80	
Tensile strength NF EN ISO 10319 md & cmd*	kN/m	T <sub>max</sub>	15	20	25	30	38	40	45	
Elongation NF EN ISO 10319 md & cmd*	%	ε <sub>max</sub>	80/75	80/75	85/75	85/75	95/78	95/78	95/85	
Dynamic perforation (cone drop test) NF EN 918	mm	P <sub>d</sub>	22	17	13	10,5	9,5	8,5	8	
Permeability normal to the plane EN ISO 11058	m/s	V <sub>I H50</sub>	0,08	0,06	0,02	0,015	0,01	0,01	0,01	
Characteristic opening size EN ISO 12958	µm	O <sub>90,W</sub>	90	85	85	80	85	80	80	
Water flow capacity in the plane EN ISO 12958*	20 kPa 100 kPa	m <sup>2</sup> /s m <sup>2</sup> /s	Q / I Q / I	3,5.10 <sup>-6</sup> 1,5.10 <sup>-6</sup>	5,6.10 <sup>-6</sup> 2.10 <sup>-6</sup>	6,5.10 <sup>-6</sup> 2,3.10 <sup>-6</sup>	7,5.10 <sup>-6</sup> 2,5.10 <sup>-6</sup>	8,5.10 <sup>-6</sup> 3.10 <sup>-6</sup>	9,9.10 <sup>-6</sup> 3,5.10 <sup>-6</sup>	10.10 <sup>-6</sup> 3,5.10 <sup>-6</sup>
Mass EN 965	O <sub>90,W</sub>	g/m <sup>2</sup>	µ <sub>GT</sub>	205	300	400	500	600	700	800
Thickness EN 964-1	2 kPa	mm	P <sub>d</sub>	2,1	2,8	3,4	4,2	4,5	5,7	6,0
Asqual certified geotextiles										

\* Test conditions

md = machine direction – cmd = cross machine direction

ASQUAL CERTIFIED STANDARD CHARACTERISTICS

### Specific Protection Characteristics\*

	Unit	Symbol	P20	P30	P40	P50	P60	P70	P80
CBR puncture resistance NF EN ISO 12236	N	P <sub>s</sub> (x)	2350	3500	4300	5400	6200	7200	7800

\*Characteristics covered by a quality procedure including tests by independent outside organisations.

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 any time. Please check that you have at your disposal the latest edition of this technical data sheet.

### Form of supply\*

	Unit	Symbol	P20	P30	P40	P50	P60	P70	P80
Width	m		6	6	6	6	6	6	6
Length	m		175	110	100	80	65	55	50
Area	m <sup>2</sup>		1050	660	600	480	390	330	300

\*See Bidim Geosynthetics general terms of sale.

Please Note: Not all roll dimensions are available as stock items. Please contact Maccaferri for available roll sizes



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Share capital: 11.475.000 € - RCS Pontoise B 353 782 410 - Siret 353 782 410 000 24 - Code APE 247Z - N° identification FR 14 353 782 410  
AFAQ Certification n° 199718666 for design, manufacturing and sales of geotextiles and geotextile-related products

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