

Specifications

Issue Date February 2009

bidim® Geotextiles – Typical and MARV Values

bidim® geotextiles are manufactured in accordance to ISO 9001:2000, Cert No: QEC1773

All bidim® "A" Range non-woven, needle punched, continuous filament, polyester geotextiles are made in Australia from recycled polymer.

Test		Standard	Units	A12	A14	A19	A29	A39	A44	A49	A64
Mechanical Properties	(MD/XMD)	AS3706.2-00	kN/m	Typical 9.4/8.0 MARV 7.5/6.6	11.0/9.5 9.0/7.7	14.0/12.8 12.0/10.0	19.0/17.0 15.5/14.5	26.5/25.5 22.0/21.0	29.5/28.0 24.5/24.0	37.0/34.0 31.5/30.5	41.5/38.0 35.8/33.0
	Trapezoidal Tear Strength (MD/XMD)	AS3706.3-00	N	Typical 240/230 MARV 205/180	300/270 240/220	350/330 295/280	490/450 380/360	630/610 530/510	753/700 575/550	915/910 750/740	1060/1010 800/770
	CBR Burst Strength	AS3706.4-01	N	Typical 1550 MARV 1275	1720 1500	2250 1925	3200 2800	4400 3950	4800 4450	6400 5850	6850 6300
	Grab Tensile Strength (MD/XMD)	AS2001.2.3 Method B - 88	N	Typical 620/570 MARV 510/430	720/650 600/530	950/860 795/730	1280/1200 1100/1000	1900/1670 1590/1490	2100/1910 1800/1680	2850/2570 2490/2200	3010/2850 2620/2460
	G Rating	Austrroads	G	Typical 1150 MARV 900	1500 1250	1950 1550	2480 2160	3450 3100	3900 3450	5150 4600	5400 5000
(MD)= Machine Direction Strength / (XMD)= Cross Machine Direction Strength											
Hydraulic properties		AS3706.7-90	µm	120	110	110	90	80	80	80	80
	Permittivity	AS3706.9-01	s ⁻¹	2.50	2.35	2.20	1.85	1.25	1.10	0.90	0.80
	Coefficient of Permeability	AS3706.9-01	m/s	33	33	33	33	33	33	33	33
	Flow Rate @ 100mm Head	AS3706.9-01	l/m ² /s	250	235	220	185	125	110	90	80

Meets TNZ F/7 (2003) Filtration Class 1 - 4 and Strength Class (refer spec sheet M080 04/05 - MNZ)

A B C D E

The product properties listed on this sheet include both for machine and cross machine directions (MD/XMD), definitions of these terms are included on the reverse side of this data sheet. All testing has been carried out by a NATA accredited laboratory, copies of test certificates are available on request.

