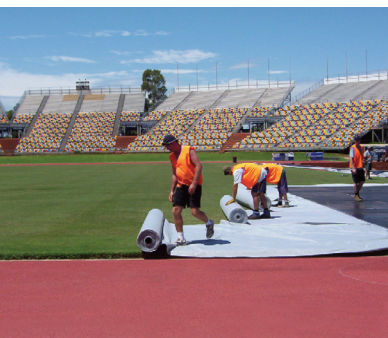


bidim[®]

Nonwoven Geotextiles

Technical Data Sheet



QUALITY - SUPPORT - EXPERTISE



Please read the important notice at the end of this brochure

Specifications

bidim® Nonwoven Geotextiles – MARV & Typical Values

bidim® geotextiles are manufactured in accordance to ISO 9001:2008, Cert No: QEC1773.

All bidim® “A” range nonwoven, needle punched geotextiles are made in Australia.

Test		Standard	Units	A14	A19	A29	A39	A44	A49	A64
Mechanical Properties	Wide Strip Tensile Strength (MD/XMD)	AS3706.2	kN/m MARV Typical	9.0/9.0 11.0/11.0	12.5/12.5 14.0/14.0	16.5/16.5 19.0/19.0	23.0/23.0 26.5/26.5	26.5/26.5 30.0/30.0	36.0/36.0 39.0/39.0	37.5/37.5 42.0/42.0
	Wide Strip Toughness (MD/XMD)	AS3706.2	kJ/m ² MARV Typical	1.6/2.0 2.5/3.1	2.0/2.4 3.2/3.7	3.0/3.2 4.7/5.1	4.2/4.5 7.0/7.4	4.8/5.5 7.6/8.1	6.6/6.9 10.9/11.4	8.2/8.2 12.3/12.6
	Grab Tensile Strength (MD/XMD)	AS3706.2	N MARV Typical	600/600 720/720	800/800 920/920	1,100/1,100 1,280/1,200	1,590/1,590 1,900/1,670	1,850/1,850 2,100/2,100	2,490/2,490 2,750/2,750	2,620/2,620 3,010/3,010
	Trapezoidal Tear Strength (MD/XMD)	AS3706.3	N MARV Typical	240/240 300/300	300/300 370/370	385/385 480/480	540/540 670/670	590/590 750/750	800/800 920/920	830/830 1,030/1,030
	CBR Burst Strength	AS3706.4	N MARV Typical	1,750 2,000	2,200 2,400	2,850 3,250	4,100 4,500	4,650 5,000	6,000 6,400	6,400 6,950
	G Rating	Austrroads	- MARV Typical	1,300 1,550	1,650 1,950	2,200 2,500	3,250 3,500	3,500 4,000	4,700 5,200	5,100 5,600
(MD)= Machine Direction Strength (XMD)= Cross Machine Direction Strength										
Hydraulic Properties	Pore Size (O ₉₅)	AS3706.7	µm Typical	110	80	80	75	75	75	75
	Permittivity	AS3706.9	s ⁻¹ Typical	3.20	2.65	1.75	1.35	1.20	0.90	0.90
	Coefficient of Permeability	AS3706.9	m/s x 10 ⁻⁴ Typical	43	43	43	43	43	43	43
	Flow Rate @ 100mm Head	AS3706.9	l/m ² /s Typical	320	265	175	135	120	90	90

Meets TNZ F/7 (2003) Specification for Geotextiles.

A

B

C

D

D

E

E

The data and specifications contained in this table are obtained from the manufacturer's laboratory testing. To ensure this information is current please contact Geofabrics New Zealand Ltd.
Please note: The grab tensile strength test standard AS3706.2 is equivalent AS2001.2.3b.

The product properties listed on this sheet include both **Minimum Average Roll Values (MARV)** and **Typical** values 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 and copies of test certificates are available on request.

Definition of Terms

ISO Accreditation

ISO9001 is a manufacturing quality assurance system under which **bidim**[®] is manufactured. Please refer to the **bidim**[®] Quality Assurance & Control Manual for testing frequencies.

Note: not all manufacturers test to the same frequency.

Machine Direction (MD)

The direction in a machine-made fabric, parallel to the direction of motion of the material through the processing machine i.e. along the length of the roll.

Cross Machine Direction (XMD)

The direction in a machine made fabric, perpendicular to the direction of motion of the material through the processing machine i.e. across the width of the roll.

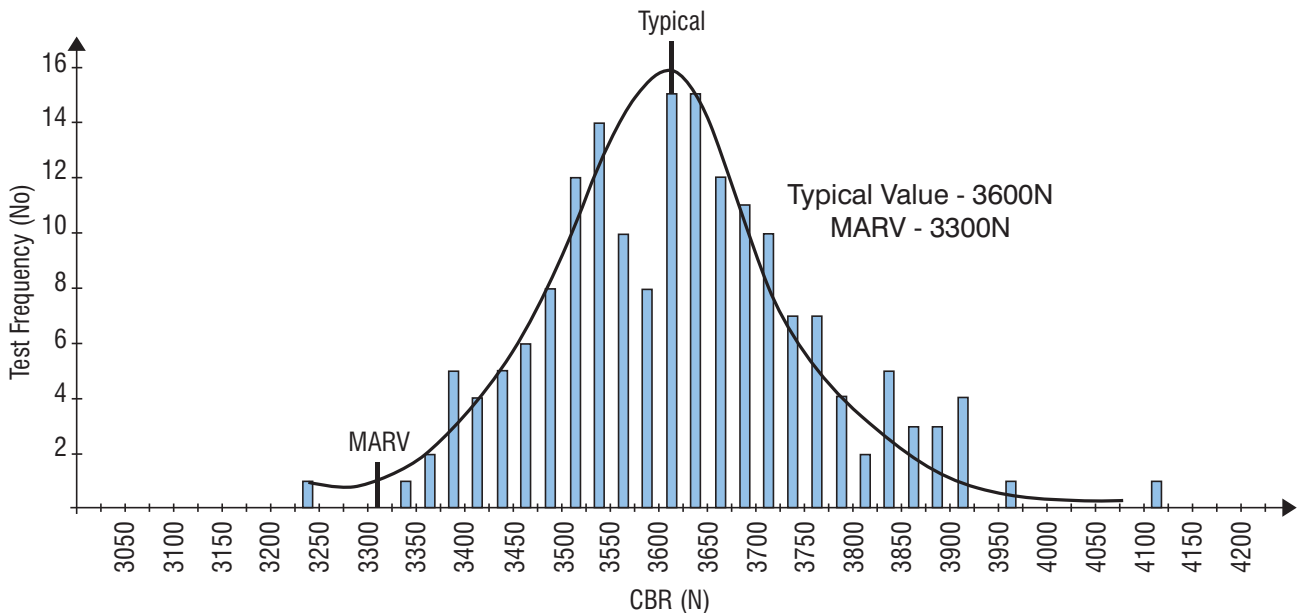
Minimum Average Roll Value (MARV)

MARV is a statistical derivation for any distribution of data. It is defined as the mean or typical value less 2 standard deviations (refer to diagram below). Mathematically it is implied that 97.5% of the tested specimens will exceed the MARV.

Typical Value

A typical value is the arithmetic mean of a set of results (refer to diagram below). This implies that 50% of the tested specimens will typically exceed this value and 50% will typically not meet this value.

Indicative Results Spread
(for a given test method for a given period of time)



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