

TECHNICAL DATA SHEET:
TYPICAL VALUES

BIDIM®

**Nonwoven
Geotextiles**

bidim geotextile is the most well known nonwoven geotextile product on the market today.

bidim leads the way in terms of technical performance and versatility and has applications in virtually every civil engineering construction project.

bidim nonwoven geotextiles provide an effective, economical solution to a range of engineering problems including weak soil, rutted and cracked roads and liquid and gas leaks from landfill sites.

bidim nonwoven geotextiles provide excellent filtration, separation and cushioning properties and feature a strong three-dimensional structure with high elongation. bidim nonwoven geotextiles also have a high melting point and high UV resistance.

All bidim nonwoven geotextiles are manufactured in Australia to ISO 9001 standards and are supported by a rigorous MQA process as well as being designed to meet the requirements of Australian and New Zealand road and rail authorities.

SECTOR SUITABILITY



Roads



Rail



Coastal



Waste



Mining



Civic &
Landscaping



Ports &
Aviation



Water



Primary
Industries



Sports &
Recreation



Slopes &
Walls



Building

BIDIM NON WOVEN GEOTEXTILES - A12 - A64 TYPICAL VALUES

Technical Data

TEST	STANDARD	UNITS	A12		A14		A24		A34		A44		A64	
Mechanical Properties														
Wide Strip Tensile Strength (MD/XMD)	AS3706.2	kN/m	8.0	8.0	11.0	11.0	14.0	14.0	18.5	18.5	26.5	26.5	37.5	37.5
Wide Strip Toughness (MD/XMD)	AS3706.2	kJ/m ²	1.5	1.5	3.1	3.1	2.7	2.7	3.5	3.5	4.8	4.8	8.2	8.2
Grab Tensile Strength (MD/XMD)	AS3706.2	N	500	500	720	720	850	850	1,270	1,270	1,850	1,850	2,620	2,620
Trapezoidal Tear Strength (MD/XMD)	AS3706.3	N	200	200	300	300	345	345	440	440	590	590	830	830
CBR Burst Strength	AS3706.4	N	1,500		2,000		2,500		3,400		4,650		6,400	
G Rating	Austrroads	-	1,200		1,550		1,900		2,510		3,500		5,100	
Hydraulic Properties														
Pore Size (095)	AS3706.7	µm	130		110		80		75		75		75	
Permittivity	AS3706.9	s ⁻¹	3.40		3.20		2.65		1.75		1.35		0.90	
Coefficient of Permeability	AS3706.9	m/s x10 ⁻⁴	43		43		43		43		43		43	
Flow Rate @ 100mm Head	AS3706.9	l/m ² /sec	340		320		265		175		135		90	

The typical values published in this leaflet are to the best of our knowledge true and correct. The product specification may change at any time without prior notice. No warranty is expressed or implied. Manufactured by Geofabrics Australasia Pty Ltd in a facility certified to the ISO 9001 Quality Management System Standard.

IMPORTANT NOTICE - DISCLAIMER - The information contained in this brochure is general in nature. In particular the content of this brochure does not take account of specific conditions that may be present at your site. Site conditions may alter the performance and longevity of the product and in extreme cases may make the product wholly unsuitable. Actual dimensions and performance may vary. If your project requires accuracy to a certain specified tolerance level you must advise us before ordering the product from us. We can then advise whether the product will meet the required tolerances. Where provided, installation instructions cover installation of product in site conditions that are conducive to its use and optimum performance. If you have any doubts as to the installation instructions or their application to your site, please contact us for clarification before commencing installation. This brochure should not be used for construction purposes and in all cases we recommend that advice be obtained from a suitably qualified consulting engineer or industry specialist before proceeding with installation. © Copyright held by Geofabrics Australasia Pty Ltd. All rights are reserved and no part of this publication may be copied without prior permission. Published March 2019.