



# AUSTRALIAN-MADE WITH RECYCLED MATERIAL

## BIDIM® GREEN NON-WOVEN GEOTEXTILE

### TECHNICAL DATA SHEET: TYPICAL VALUES

Bidim® Green is a premium non-woven geotextile made with Australian recycled plastics and designed to assist with a range of engineering problems including separation, filtration, cushioning and drainage in roads, rail, waste and containment, water and mining applications.

- Made with a combination of recycled PET and virgin plastic material
- Excellent filtration, separation, and cushioning properties
- Strong three-dimensional structure with high elongation
- Designed to meet the requirements of Australian & New Zealand road and rail authorities
- Applicable for Road, Rail, Mining and Waste sectors



### BIDIM GREEN - A14G - A64GM TYPICAL VALUES TECHNICAL DATA

TEST	STANDARD	UNITS	A14G	A19G	A29G	A39G	A49G	A44GM		A64GM						
<b>Mechanical Properties</b>																
Wide Strip Tensile Strength (MD/XMD)	AS3706.2	kN/m	11.0	11.0	14.0	14.0	19.0	19.0	26.5	26.5	39.0	39.0	30.0	30.0	42.0	42.0
Wide Strip Toughness (MD/XMD)	AS3706.2	kJ/m <sup>2</sup>	2.5	2.5	3.2	3.2	4.7	4.7	7.0	7.0	10.9	10.9	7.6	7.6	12.3	12.3
Grab Tensile Strength (MD/XMD)	AS3706.2	N	720	720	920	920	1200	1200	1670	1670	2750	2750	2100	2100	3010	3010
Trapezoidal Tear Strength (MD/XMD)	AS3706.3	N	300	300	370	370	480	480	670	670	920	920	750	750	1030	1030
CBR Burst Strength	AS3706.4	N	2000		2400		3250		4500		6400		5000		6950	
G Rating	Austroads	-	1550		2000		2500		3500		5200		4000		5600	
<b>Hydraulic Properties</b>																
Pore Size (O <sub>95</sub> )	AS3706.7	µm	110		80		80		75		75		75		75	
Permittivity	AS3706.9	s <sup>-1</sup>	3.20		2.65		1.75		1.35		1.00		1.20		0.90	
Coefficient of Permeability	AS3706.9	m/s x10 <sup>-4</sup>	43		43		43		43		43		43		43	
Flow Rate @ 100mm Head	AS3706.9	l/m <sup>2</sup> /sec	320		265		175		135		100		120		90	
<b>TNZ F/7 : 2003 Specification for Geotextiles</b>																
Strength Class			A		B		C		D		E		D		E	
Filtration Class			1-4		1-4		1-4		1-4		1-4		1-4		1-4	

The typical values published are to the best of our knowledge true and correct and are obtained through independent and in-house laboratory testing. 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.



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