



# AUSTRALIAN-MADE WITH RECYCLED MATERIAL

## TRACKTEX® GREEN ANTI-MUD PUMPING GEOCOMPOSITE

### TECHNICAL DATA SHEET: TYPICAL VALUES

Tracktex® Green is a composite material consisting of a micro-porous filter between two layers of Bidim® Green geotextiles to help prevent water from penetrating the subgrade.

When installed below the ballast, it effectively allows pore-water pressure to dissipate while preventing fine soil particles migrating upwards to contaminate the ballast.

- Uses Bidim Green geotextile layers, made with a combination of recycled PET and virgin plastic material
- Saves cost by increasing the maintenance intervals on trackbeds often caused by mud pumping failure
- Durable and reliable supported with accredited laboratory testing
- Reduces construction costs with quick and easy installation
- Applicable for Rail sector



### TRACKTEX GREEN - TYPICAL VALUES TECHNICAL DATA

PROPERTY	TEST METHOD	UNITS	TYPICAL VALUE
Geotextile Fibre Type	Virgin and locally sourced recycled polyester polymer, non-woven continuous filament		
Thickness @ 2kPa	AS 3706.1	mm	9.50
Wide Strip Tensile Strength	AS 3706.2	kN/m	105
Wide Strip Tensile Elongation	AS 3706.2	%	80
Trapezoidal Tear Strength	AS 3706.3	N	2,700
CBR Burst Strength	AS 3706.4	kN	15
Drop Cone Puncture Resistance	AS 3706.5	mm	No measurable puncture
Opening Size	ASTM D6767	µm	< 20
Resistance to degradation by light, heat and moisture (UV)	AS 3706.11	%	90
Geotextile resistance to degradation by Hydrocarbons	AS 3706.12 (mod <sup>1</sup> )	%	90
Resistance to abrasion under ballast	In-house	Visual	Tracktex has been subjected to a loading cycle equivalent to 140,000,000 gross tonnes of main-line traffic below 0.3 m of ballast in a full size rig measuring over 8m <sup>2</sup> . Upon completion of the test, there were no visible signs of damage to the central micro porous filter.

1. Immersion time increased from 15 days to 365 days



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