

Tracktex™

Geosynthetics for Railway Engineering

Technical Data Sheet

TrackTex™ consists of a micro-porous, breathable filter sandwiched between bidim® nonwoven geotextiles, manufactured from mechanically entangled continuous filament fibre. bidim® geotextiles are manufactured in Australia in accordance with ISO 9001:2008.

PROPERTY	TEST STANDARD	UNITS	TYPICAL VALUE
Geotextile Fibre Type	Virgin Polyester 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	ISO 12956	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 ¹)	%	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 0.3m of ballast in a full size rig measuring over 8m ² . Upon completion of the test, there were no visible signs of damage to the central micro porous filter.

Notes:

1. Immersion time increased from 15 days to 365 days.

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