

# GEOGRID GEOCOMPOSITE ENGINEERED FOR STABILISATION, SEPARATION AND FILTRATION

## GEOFABRICS GEOGRID BITEX GEOCOMPOSITE

### TECHNICAL DATA SHEET

Geofabrics® Geogrid™ Bitex geocomposite combines a premium non-woven geotextile and biaxial geogrid. These products are laminated together to create a high-performance geocomposite.

- Offers separation, filtration and aggregate interlock simultaneously
- Enhanced structural characteristics results in more economical construction, improved performance and longer life
- Improved cost benefits by reducing aggregate layer thickness, the need for excavation and increasing bearing capacity to allow for higher loads
- Applicable to Road & Rail sectors



### GEOFABRICS GEOGRID BITEX GEOCOMPOSITE TECHNICAL DATA

GEOGRID PROPERTY	TEST METHOD	UNITS	BITEX 3030	BITEX 4040
Polymer			Polypropylene	
Carbon Black Content	ASTM D1603	%	2	
Quality Control Strength				
Ultimate Tensile Strength Tult (MD/CD)	ASTM D6637	kN/m	30 / 30	40 / 40
Tensile Strength @ 2% strain (MD/CD)	ASTM D6637	kN/m	10.5 / 10.5	14 / 14
Tensile Strength @ 5% strain (MD/CD)	ASTM D6637	kN/m	21 / 21	28 / 28
Strain at Tult (MD/CD)	ASTM D6637	%	13 / 13	13 / 13
Geotextile Property				
Polymer			Polyester	
Grab Tensile Strength (Q Value)	AS3706.2	N	≥ 500	
Trapezoidal Tear Strength (Q Value)	AS3706.3	N	≥ 180	
G Rating (Q Value)	Austrroads		≥ 900	
EOS Pore Size O95	AS3706.7	μ	≤ 180	
Flow rate (Q100)	AS3706.9	l/m <sup>2</sup> /s	≥ 50	
Roll Dimentions				
Minimum Roll Width	-	m	3.95	
Minimum Roll Length	-	m	50	

#### Notes:

Characteristic value (Q) = Mean - 0.83 x standard deviation of the lot tested. Non-woven geotextile meets filtration classes 1-4 for TNZ F/7 : Specifications - Geotextiles. All quoted values and dimensions are typical unless stated otherwise.

The 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 in a facility certified to the ISO 9001 Quality Management System Standard.

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