

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

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	≥ 700	
Trapezoidal Tear Strength (Q Value)	AS3706.3	N	≥ 250	
G Rating (Q Value)	Austroroads		≥ 1350	
EOS Pore Size O95	AS3706.7	μ	≤ 180	
Flow rate (Q100)	AS3706.9	l/m²/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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