

Texcel[®] R Range

Geotextiles for Coastal Applications

Technical Data Sheet



QUALITY - SUPPORT - EXPERTISE



Texcel® R Range UV Resistant Geotextiles Typical Values

Test		Standard	Units	400R	600R	900R	1200R	
Mechanical Properties	Tensile Strength	Wide Strip MD	AS 3706.2-12	kN/m	16.0	26.5	37.0	59.0
		Wide Strip XMD			16.0	26.5	37.0	59.0
	Elongation	Wide Strip MD	AS 3706.2-12	%	>70	>70	>70	>70
		Wide Strip XMD			>70	>70	>70	>70
	CBR Burst Strength		AS 3706.4-12	N	3,000	4,900	6,700	10,500
	Toughness	Wide Strip MD	AS 3706.2-12	kJ/m ²	6.4	11.0	17.0	30.0
Wide Strip XMD		6.4			11.0	17.0	30.0	
(MD) = Machine Direction Strength (XMD) = Cross Machine Direction Strength								
Hydraulic Properties	Pore Size (0 ₉₅)		AS 3706.7-03	µm	<75	<75	<75	<75
	Permittivity		AS 3706.9-12	s ⁻¹	1.12	0.83	0.60	0.32
	Coefficient of Permeability		AS 3706.9-12	m/s x 10 ⁻⁴	46.9	40.6	33.6	21.8
	Flow Rate @ 100mm Head		AS 3706.9-12	l/m ² /s	112	83	60	32

The data and specifications contained in this table are obtained from the manufacturer's laboratory testing. To ensure this information is current please contact your local branch of Geofabrics Australasia. The product properties listed on this sheet include **Typical Values**.

DEFINITION OF TERMS

Typical Value

A typical value is the arithmetic mean of a set of results. This implies that 50% of the tested specimens will typically exceed this value and 50% will typically not meet this value.

ISO Accreditation

ISO9001 is a manufacturing quality assurance system under which **Texcel®** is manufactured. Please refer to the **Texcel®** Quality Assurance & Control Manual for testing frequencies.
Note; not all manufacturers test to the same frequency.

Machine Direction (MD)

The direction in a machine-made fabric, parallel to the direction of motion of the material through the processing machine (i.e. along the length of the roll).

Cross Machine Direction (XMD)

The direction in a machine made fabric, perpendicular to the direction of motion of the material through the processing machine (i.e. across the width of the roll).

All **Texcel® R Range** staple fibre, polyester geotextiles are made in Australia.
Texcel® geotextiles are manufactured in accordance to ISO 9001:2008.

GEOFABRICS® is a registered trade mark of Geofabrics Australasia Pty Ltd.



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