

Geomac Geotextiles Non-woven Needle Punched Geotextile (Polyester)

Geomac non-woven geotextile is manufactured from continuous polyester filaments needle punched to form a structured sheet. Geomac geotextiles can be used for drainage, filtration or soil separation applications. Geomac Geotextiles are chemical resistant in all naturally occurring soil alkalis and soil acids (i.e. to acids of pH \geq 2). Geomac is also biologically resistant to bacteria and fungi. All Geomac is delivered to site in black polyethylene wrappers and should remain in these wrappers until it is to be used.

Mechanical Properties	Test Method	Geomac 140A	Geomac 200B	Geomac 240C	Geomac 270C	Geomac 330D	Geomac 400D	Geomac 500E
Wide Strip Tensile Strength (kN/m) MD / XMD	AS 3706.2	11.0 / 9.5	14.0 / 12.8	19.0 / 17.0	21.5 / 21.0	26.5 / 25.5	29.5 / 28.0	41.5 / 38.0
Trapezoidal Tear Strength (N) MD / XMD	AS 3706.3	300 / 270	350 / 330	490 / 450	540 / 510	630 / 610	753 / 700	1060 / 1010
Grab Tensile (N) MD / XMD	AS 2001.2.3 Method B-88	720 / 650	950 / 860	1280 / 1200	1430 / 1350	1900 / 1670	2100 / 1910	3010 / 2850
CBR Burst Strength (N)	AS 3706.4	1720	2250	3200	3600	4400	4800	6850
G Rating	Austrroads	1500	1950	2480	2800	3450	3900	5400
Strength Classification As Per RTA R63 & QLD MRS 11.27		A	B	C	C	D	D	E
Hydraulic Properties	Test Method	Geomac 140A	Geomac 200B	Geomac 240C	Geomac 270C	Geomac 330D	Geomac 400D	Geomac 500E
Pore Size (μ m)	AS 3706.7	110	110	90	90	80	80	80
Permittivity	AS 3706.9	2.35	2.20	1.85	1.65	1.25	1.10	0.80
Coefficient Of Permeability ($\times 10^{-4}$ m/s)	AS 3706.9	33	33	33	33	33	33	33
Flow Rate Under 100mm Head ($l/m^2/s$)	AS 3706.9	235	220	185	165	125	110	80
Physical Properties		Geomac 140A	Geomac 200B	Geomac 240C	Geomac 270C	Geomac 330D	Geomac 400D	Geomac 500E
Roll Width (m)		All grades are supplied in 6m wide rolls						
Roll Length (m)		250	200	150	150	125	100	75

The product properties listed above are typical and correspond to the average values obtained in a Nata accredited laboratory. Copies of test certificates are available on request. The information presented herein is, to the best of our knowledge and belief, correct. It is subject to periodic review and revision. For further information regarding these products, contact any of the addresses listed below.

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