

GM 500M

Impermeable Geomembrane

GM500M is designed to be used for a variety of applications including Stormwater attenuation tanks and permeable paving systems,

Manufactured from high performance polymer this entry level membrane provides;

- Good puncture resistance
- Suitable for taped jointing
- Preserves subgrade integrity

Technical Details	Test Method	Unit	Value	
Material			Polyethylene	
Roll Dimension		m	4 x 12.5	
Thickness		mm	0.5	
Weight		gsm.sqm	468	
			Length	Width
Tensile strength at break controls head aged UK aged	BS 2782:320A Test speed 100mm min ⁻¹	N/mm ²	24.90	24.70
			24.90	23.80
			21.80	23.80
Elongation at break controls heat aged UV aged	BS 2782:320A Test speed 100mm min ⁻¹	%	683	775
			715	763
			661	760
Tear resistance (trouser tear) controls heat aged	BS 2782:360B	N/mm ¹	97	140
			102	141
Tear strength (nail tear) controls heat aged	MOAT 27:4.4.1	N	100	108
			85	90

In cold weather the GM500M must be stored in a warm, dry place until needed. We do not recommend installation in temperatures below 5°C

The values quoted are typical values based on measurements in current production and test results from independent test institutes

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge becomes available. Since we cannot anticipate all variations in actual end use conditions, Geosynthetics Limited makes no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.



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