



## GEOTEXTILE - TECHNICAL DATA SHEET

Descriptive properties			
Area weight	EN ISO 9864	g/m <sup>2</sup>	90
Thickness under 2kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.39
Thickness under 200kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.31
Mechanical properties			
Energy Absorption	EN ISO 10319	kJ/m <sup>2</sup>	1.8
Tensile Strength	EN ISO 10319	kN/m	5
Elongation	EN ISO 10320	%	40
Tensile Strength at 5%	EN ISO 10321	kN/m	2.6
Puncture CBR	EN ISO 12236	N	750
Dynamic Cone Puncture	EN ISO 13433	mm	45
Grab Strength	ASTM D4632	N	450
Tear Strength	ASTM D4533	N	220
Hydraulic properties			
Opening Size O90	EN ISO 12956	μm	175
Permeability ViH50	EN ISO 11058	0.001m/s	100
Flow Rate at 10cm WH	BS 6906-3	l/(m <sup>2</sup> .s)	175
Permeability at 20kN/m <sup>2</sup>	DIN 60500-4	0.0001m/s	4.7
Permeability at 200kN/m <sup>2</sup>	DIN 60500-4	0.0001m/s	3.1
Durability			
Predicted to be durable for a minimum of 100 years in all natural soils			
Natural UV light	Good resistance up to several months in direct sunlight, but prolonged exposure, particularly in tropical sunlight, can cause strength losses. Product should be covered after 2 weeks of installation.		
Moisture	Does not absorb moisture		
Rot, Mildew	Unaffected		
Natural occurring acids and alkali	Unaffected		
Oxydation Resistance- EN ISO 13438	100% retained strength		
Chemical Resistance- EN 14030	100% retained strength		
Microbiological Resistance- EN 12225	100% retained strength		

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