



A.G.A Group  
Merton Hall Ponds  
Merton, Thetford  
Norfolk IP25 6QH

Telephone: +44 (0) 1953 886824  
Fax: +44 (0) 1953 889644  
Email: info@agagroup.co.uk

**AGA CLAYMAT BFG5000**  
**Technical Values**

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Property	Test method*	Unit	Values
<b>Geo-textile layers:</b>			
<b>Cover layer (Polypropylene non-woven, filled with bentonite):</b>			
Mass per unit area	EN ISO 9864	g/m <sup>2</sup>	300
Carrier layer (Polypropylene woven) Mass per unit area	EN ISO 9864	g/m <sup>2</sup>	200
<b>Bentonite layer (sodium bentonite powder):</b>			
Mass per unit area	EN 14196 ( $\rho_{TDN}$ )	g/m <sup>2</sup>	4,200 + 800
Swell index	ASTM D5890	ml/2g	24
Fluid loss	ASTM D 5891	ml/2g	≤18
Water content	DIN 18121 / ISO 11485 (5 hrs, 105°C)	%	approx. 10
<b>Geosynthetic Clay Liner:</b>			
Mass per unit area	EN14196 ( $\rho_{GBR-C}$ )	g/m <sup>2</sup>	5,500
Thickness	EN ISO 9863-1	mm	7.0
Max. tensile strength, md/cmd**	EN ISO 10319 / ASTM D 4595	kN/m	20.0 / 11.0
Elongation at break, md/cmd**	EN ISO 10319 / ASTM D 4595	%	8.0 / 4.0
Peel strength	ASTM D 6496	N/10 cm*** N/m	≥60 ≥360
Puncture force	EN ISO 12236	N	2,500
Permeability / Hydraulic Conductivity	DIN 18130 / ASTM D 5887	m/s	2 x 10 <sup>-11</sup>
Index flux	DIN 18130 / ASTM D 5887	(m <sup>2</sup> /m <sup>2</sup> )/s	5 x 10 <sup>-9</sup>
<b>Roll dimensions: width x length x diameter</b>		m x m / m	4.85 x 40 / 0.65
*= based on;	** = machine direction, cmd= cross machine direction	*** = max peak	