



TAIAN HONGYUAN GEOSYNTHETICS CO., LTD

CATALOG OF GEOSYNTHETICS CLAY LINER

		GCL-3	GCL-4	GCL-5	CUSTOMIZED	COMMENTS
Photo						
Weight of bentonite granular		3000g-7000g/m ²	3500g-7500g/m ²	4000g-10000g/m ²	4000g-10000g/m ²	Can be customized as required
Water content		8-12%	8-12%	8-12%	8-12%	
thickness		5-7mm	5-8mm	6-10mm	5-8mm	
Thickness of HDPE liner		No liner	0.1-0.5mm	No liner	0.1-0.5mm	
Swell index of bentonite granular		≥24	≥24	≥24	≥24	24,25,26,27
nonwoven geotextile	Weight	180-300g/m ²	180-300g/m ²	180-300g/m ²	180-300g/m ²	
	Polypropylene or polyester	PP and PET or customized	PP and PET or customized	PP and PET or customized	PP and PET or customized	Percentage of PP can be customized



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Woven fabric	Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	
	Weight	110g, 130g, 150g, 200g	110g, 130g, 150g, 200g	110g, 130g, 150g, 200g	110g, 130g, 150g, 200g	Usual stock is 130g/m ² and other weight needs to be customized
	Woven method	Circular or plain	Circular or plain	Circular or plain	Circular or plain	
Tensile strength		≥600N/100mm	≥800N/100mm	≥800N/100mm	≥600N/100mm	
Peel strength		≥40N/10cm	≥50N/10cm	≥40N/10cm	≥40N/10cm	
Permeability coefficient(cm/s)		≤5.0×10 ⁻¹¹	≤5.0×10 ⁻¹¹	≤5.0×10 ⁻¹¹	≤5.0×10 ⁻¹¹	
Water resistant static pressure (0.4mpa, 1h)		No leakage	No leakage	No leakage	No leakage	