

Geosynthetic Clay Liners (GCLs)

PROPERTY	VALUE			
	GCL-ZN	GCL-FN	GCL-JNL	GCL-PCL
Bentonite mass (g/m ²)	7	11	15	18
Tensile strength* (N/100mm)	600	700	600	600
Elongation at maximum load* (%)	10		8	
Woven and non-woven textile Peel strength (N/mm)	40	40	-	-
Geomembrane & non-woven textile Peel strength (N/mm)	-	30	-	-
Permeability coefficient (m/s)	$\leq 5.0 \times 10^{-11}$	$\leq 5.0 \times 10^{-12}$	$\leq 5.0 \times 10^{-12}$	$\leq 5.0 \times 10^{-11}$
Water resistant (hydrostatic pressure)	0.4 MPa, 1h, No Leakage	0.6 MPa, 1h, No Leakage	0.6 MPa, 1h, No Leakage	0.4 MPa, 1h, No Leakage
Puncture strength* (N)	445	635	220	-
Flexible room-temperature	-	-	-	Bending 3 times without cracks

Note:

* Minimum average value.