

**Geosynthetic Clay Liners (GCLs)**

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

Note:

\* Minimum average value.