

GD001: Standard oedometer test on dry reconstituted silty clay

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ABSTRACT: We have tested a soil from Bioley region in the western Switzerland. Liquid limit of the soil is 28.9%, plastic limit 15.5%, specific mass of particles 2.703 t/m³, percentage of particles smaller than 0.02mm is 63.8 and those smaller than 0.06mm 85. According to USCS the soil is a clay with low plasticity (CL). We have tested the material in a standard oedometer under dry condition. The sample, named RC07, was directly prepared in the oedometric cell with no prior preconsolidation. The file contains the initial parameters and the stress-strain response of the sample at different loading-unloading steps during the test.

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REFERENCE: Koliji, A., L. Vulliet, and L. Laloui (2008). New basis for the constitutive modelling of aggregated soils. Acta Geotechnica 3, 61-69. Figure 2