Kaolinite data n = 113	WP	WL	IP	CF	Nº
Caicedo B., Lizcano A., Jaime C.,2003, Self weight consolidation in a centrifuge of a clay mass containing simulated large particles.Soil Rock America, Panamerican Conference, pp 738-743	16,5	28,2	11,7		1
Cerato, A.B., 2001. Influence of Surface Area on Geotechnical Characteristics of Fine-Grained Soils. MSc Thesis, University of Massachusetts. Meegoda et al. (1994)	36	48	12	84	2
Cerato, A.B., 2001. Influence of Surface Area on Geotechnical Characteristics of Fine-Grained Soils. MSc Thesis, University of Massachusetts. Ganapadhyay et al. (1994)	38	64	26		3
Cérevac C., 2003. Thermal effects on the mechanical behaviour of saturated clays: an experimental and constitutive study, Thèse de Doctorat. EPFL, Lausanne, Suisse	24,6	44,7	20,1		4
Cérevac C., 2003.Thermal effects on the mechanical behaviour of saturated clays: an experimental and constitutive study, Thèse de Doctorat. EPFL, Lausanne, Suisse	20,6	45,6	25		5
Feng T.-W., 2001. A linear d-logw model for the determination of consistency limits of soils. Canad. Geotech. Journal, Vol 38, pp 1335-1342 - Kaolin A	25	50	25		6
Feng T.-W., 2001. A linear d-logw model for the determination of consistency limits of soils. Canad. Geotech. Journal, Vol 38, pp 1335-1342 - Kaolin B	26	72	46		7
Feng T.-W., 2001. A linear d-logw model for the determination of consistency limits of soils. Canad. Geotech. Journal, Vol 38, pp 1335-1342 - Kaolin(Wood 1985)	33	59	26		8
Fleureau J-M, Verbrugge J-C, Huergo P.J., Gomez A., Kheirbek S., 2002. Aspects of the behaviour of compacted clayey soils on drying and wetting paths. Canad. Geotech. Journal, Vol. 39, pp 1341-1357- P300 Kaolin CF=60	20	40	20	60	9
Fleureau J-M, Verbrugge J-C, Huergo P.J., Gomez A., Kheirbek S., 2002. Aspects of the behaviour of compacted clayey soils on drying and wetting paths. Canad. Geotech. Journal, Vol. 39, pp 1341-1357- White Kaolin CF=60	24	52	28	68	10
Fleureau J-M, Verbrugge J-C, Huergo P.J., Gomez A., Kheirbek S., 2002. Aspects of the behaviour of compacted clayey soils on drying and wetting paths. Canad. Geotech. Journal, Vol. 39, pp 1341-1357- White Kaolin CF=60	30	61	31	85	11
Georgiannou V.N., Burland J.B., Hight D.W., 1990. The undrained behaviour of clayey sands in triaxial compression and extension, Géotechnique , Vol. 40, pp 431-449 - Kaolinite CF= 82%	32	62	30	82	12
Grabowska B., 2003 Modeling physical properties of mixtures of clays example of a two-component mixture of kaolinite and montmorillonite. Applied Clay Science 22, pp 251-259.	34,6	63,2	28,6	42,7	13
	31,5	65,6	34,1	42,3	14
Kaya A., Fang H-Y, 2000.The effects of organic fluids on physicochemical parameters of fine-grained soils Géotechnique, Vol 37, pp 943-950.	29	42	13		15
Krizek R.J., 2004, Slurries in geotechnical engineering. Texas A&M University. 12th S.U. Buchanan Lecture. http://ceprofs.civil.tamu.edu/briaud/buchanan.htm	28	62	34		16
Lagaly G.. Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 13	31	74	43		17
Lagaly G.. Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 13	31	69	38		18
Lagaly G.. Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 13	24	33	9		19
Likos W.J., Lu N., 2003. Automated humidity system for measuring total suction characteristics of clay. Geothecnical Testing Journal, Vol. 26, pp 179-190 - Georgia Kaolinite, CF = 35	17	45	28	35	20
Ling H.I., Pamuk A., Dechasakulsom M, Mohri Y., Burke Ch. 2001. Journal of Geotechnical and Geoenvironmental Engineering, pp 950-954	32	56	24		21
Lutenegger, A.J. and Cerato, A.B., 2001. Surface Area and Engineering Properties of Fine-Grained Soils. Proceedings of the 15th International Conference of Soil Mechanics and Geotechnical Engineering (ICSMGE), Vol. 1, pp. 603-606. Kaolinite well ordered	26	42	16	36	22
Lutenegger, A.J. and Cerato, A.B., 2001. Surface Area and Engineering Properties of Fine-Grained Soils. Proceedings of the 15th International Conference of Soil Mechanics and Geotechnical Engineering (ICSMGE), Vol. 1, pp. 603-606. Kaolinite poorly orde	30	70	40	68	23
Lutenegger, A.J. and Cerato, A.B., 2001. Surface Area and Engineering Properties of Fine-Grained Soils. Proceedings of the 15th International Conference of Soil Mechanics and Geotechnical Engineering (ICSMGE), Vol. 1, pp. 603-606. Thiele Kaolin	38	65	27	77	24
Mesri, Cepeda Diaz, 1986. Residual shear strength of clays and shales, Géotechnique Vol. 36,	29	45	16		25
Nath A., DeDalal S.S., 2004. The role of plasticity index in predicting compression behaviour of clays. http://www.ejge.com/2004/Ppr0466.htm	22,2	46,8	24,6	64	26
Ong D.E.L., Leung C.F., Chow Y.K., 2003, Time dependent behavior due to excabation-induced soil movement in clay.Soil Rock America, Panamerican Conference, pp 2076--2082	40	80	40		27
Pane V. Schiffman R.L., 1997. The permeability of clay suspensions, Géotechnique, Vol. 47, pp 273-288 - Kaolinite CF= 75%	32	53	21	75	28
Penumadu D., Dean J., 2000.Compressibility effect in evaluating the pore-size distribution of kaolin clay using mercury intrusion porosimetry. Canad. Geotech. Journal, Vol. 37, pp.393-405 - Georgia Kaolinite CF= 45	28	58	30	45	29
Penumadu D., Min T.,2003, Ultrasonic Propagation testing for kaolin clay.Soil Rock America, Panamerican Conference, pp 888-893	31	58	27		30
Penumadu D., Skandarajah A. Chameau J-L., 1998. Strain-rate effects in pressuremeter testing using a cuboidal shear device: experiments and modeling. Canad. Geotech. Journal, Vol. 35, pp 27-42 Georgia Kaolinite CF= 65	33	63	30	65	31
Peterson R.W., 1999. http://geoscience.wes.army.mil/influenceShortPolymer.PDF. USA Army Engineer Research and Development Center	32	56	24		32
Polidori E., Proposal for a new plasticity chart. Géotechnique, 2003, Vol 53, pp 397-406	38	67	29		33
Polidori E., Proposal for a new plasticity chart. Géotechnique, 2003, Vol 53, pp 397-406- Data from Di Maio & Fenelli (1994)	37,8	57,5	19,7		34
Prasad Y.V.S.N., Rao N.,1995. A new two point method of obtaining Cv from a consoidation test. Canad. Geotech. Journal, Vol. 32, pp 741-746	48	63	15		35
Ranganatham B.V., 1987, Basic studies on montmorillonite with soil admixtures. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 31-37	29	55	26	55	36
Reddy K.R., Chinthamreddy S., 2003, Sequentially enhanced electrokinetic remediation of heavy metals in low buffering clayey soils. Journal of Geotechnical and Geoenvironmental Engineering.Vol. 129 No 3, pp 263-277	27,4	50	22,6	78	37
Roy L.B., Rao A.S.R., 1987,Study of anisotropy of swelling in clays. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 439-444	35	60	25	46	38
Santamarina J.C., Fam M., 1995.Changes in dielectric permittivity and shear wave velocity during concentration diffusion. Canad. Geotech. Journal, Vol 32, pp 647-659 - Peerles clay	35	50	15		39
Sharma J.S., Xiao D., 2000. Characterization of a smear zone around vertical drains by large-scale laboratory tests, Canad. Geotech. Journal, Vol. 37, pp.1265-1271 - Kaolinite CF= 30	29	49	20	30	40
Sharma J.S., Xiao D., 2000. Characterization of a smear zone around vertical drains by large-scale laboratory tests, Canad. Geotech. Journal, Vol. 37, pp.1265-1271 - Kaolinite CF= 30	40	70	30	30	41
Shroff A.V., Parikh P., 1987, Effective stress distribution in expansive clays during consolidation, 6th Int. Conference on expansive soils. India Vol I, pp 167-170	31,2	67,8	36,6	43	42
Sivapullaiah P.V.., 1987,Inter layer swelling of Na, Ca- Montmorillonite clays. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 423-426	29	49	20	10,7	43
Souza G.P., Sanchez R, Holanda J.N.F.de. 2002. Characteristics and physical-mechanical properties of fired kaolinitic materials. Ceramica, vol. 48 no 306, p102-107, ISSN 0366-6913	30	65	35	42	44
Souza G.P., Sanchez R, Holanda J.N.F.de. 2002. Characteristics and physical-mechanical properties of fired kaolinitic materials. Ceramica, vol. 48 no 306, p102-107, ISSN 0366-6913	29	68	39	70	45
Souza G.P., Sanchez R, Holanda J.N.F.de. 2002. Characteristics and physical-mechanical properties of fired kaolinitic materials. Ceramica, vol. 48 no 306, p102-107, ISSN 0366-6913	27	70	43	45	46
Souza G.P., Sanchez R, Holanda J.N.F.de. 2002. Characteristics and physical-mechanical properties of fired kaolinitic materials. Ceramica, vol. 48 no 306, p102-107, ISSN 0366-6913	29	69	40	55	47
Souza G.P., Sanchez R, Holanda J.N.F.de. 2002. Characteristics and physical-mechanical properties of fired kaolinitic materials. Ceramica, vol. 48 no 306, p102-107, ISSN 0366-6913	25	69	44	54	48
Sridharan A., Nagaraj H.B., 2000. Compressibility behaviour of remoulded, fine-grained soils and correlation with index properties, ,Géotechnique, Vol 37, pp 713-722 - Kaolinite 1 CF = 9.5	26,6	39	12,4	9,5	49
Sridharan A., Nagaraj H.B., 2000. Compressibility behaviour of remoulded, fine-grained soils and correlation with index properties, Géotechnique, Vol 37, pp 713-722 - Kaolinite 2 CF = 32	31,4	55	23,6	32	50
Sridharan A., Nagaraj H.B., 2000. Compressibility behaviour of remoulded, fine-grained soils and correlation with index properties, Géotechnique, Vol 37, pp 713-722 - Kaolinite 3 CF = 11.5	45,2	58,7	13,5	11,5	51
Sridharan A., Nagaraj H.B., Srinivas N., 1999. Rapid method of consolidation testing. Canad. Geotech. Journal. Vol 36, pp 392-400 CF = 32	31,5	55	23,5		52
Sridharan A., Prakash K., 1998. Characteristic water contents of a fine grained soil water system, Géotechnique Vol.48, pp337-346 - Kaolinite CF= 36%	29,4	46,8	17,4	36	53
Sridharan A., Prakash K., 1999. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, pp 1030-1038 , CF=36	29	47	18	36	54
Sridharan A., Prakash K., 1999. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, pp 1030-1038 , Red earth CF=66	35	80	45	66	55
Sridharan A., Prakash K., 1999. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, pp 1030-1038 , Kundara clay CF=61	34	38	4	61	56
Sridharan A., Prakash K., 1999. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, pp 1030-1038 , Mangalore marine clay CF= 38	72	179	107	38	57
Sridharan A., Venkatappa Rao G., 1979. Shear strength behaviour of saturated clays and the role of the effective stress concept, Géotechnique Vol. 29, pp 177-193	29	49	20		58
Sridharan S.M., Murthy N.S., 1988. Liquid limit of kaolinitic soils, Géotechnique, Vol. 38, pp 191-198 - CF= 36	33,8	75	41,2	36	59
Sridharan S.M., Murthy N.S., 1988. Liquid limit of kaolinitic soils, Géotechnique, Vol. 38, pp 191-198 - CF= 46	36,3	75	38,7	46	60
Sridharan S.M., Murthy N.S., 1988. Liquid limit of kaolinitic soils, Géotechnique, Vol. 38, pp 191-198 - CF= 51	35,8	100	64,2	51	61

Tarantino A., Tombolato S.. 2005. Géotechnique 55 pp 307-317. Coupling of hydraulic and mechanical behaviour in unsaturated compacted clay. CF = 80	32	64	32	80	62
Tarantino A., Tomolato S., 2005, Coupling of hydraulic and mechanical behaviour in unsaturated compacted clay. Géotechnique 55 No 4. pp. 307-317	32	64	32	80	63
Tika T.E., Vaughan P.R., Lemos L.J., 1996. Fast shearing of pre-existing shear zones in soil, Géotechnique Vol. 46, pp 197-233 - Kenney (1967)	37	59	22		64
Tika T.E., Vaughan P.R., Lemos L.J., 1996. Fast shearing of pre-existing shear zones in soil, Géotechnique Vol. 46, pp 197-233 - Lupini (1981) CF=82	36	72	36	82	65
Tika T.E., Vaughan P.R., Lemos L.J., 1996. Fast shearing of pre-existing shear zones in soil, Géotechnique Vol. 46, pp 197-233 - Tika (1989) CF=74	33	66	33	74	66
Topolnicki M., Gudehus G., Mazurckiewicz B.K., 1990. Observed stress-strain behaviour of remoulded saturated clay under plane strain contidions, Géotechnique , Vol 40, pp 155-187 - CF = 65 (Flavigny & Rojas, 1984)	16	50	34	65	67
Topolnicki M., Gudehus G., Mazurckiewicz B.K., 1990. Observed stress-strain behaviour of remoulded saturated clay under plane strain contidions, Géotechnique , Vol 40, pp 155-187- CF = 65 (Kuntsche, 1982)	18	47	29	65	68
Topolnicki M., Gudehus G., Mazurckiewicz B.K., 1990. Observed stress-strain behaviour of remoulded saturated clay under plane strain contidions, Géotechnique , Vol 40, pp 155-187- CF = 70 (Leinenkugel, 1976)	28	67	39	70	69
Vallejo L.E., Lobo-guerrero S.,2003, The elastic moduli of dry and unsaturated sand-clay mixtures.Soil Rock America, Panamerican Conference, pp 896-900	28	58	30		70
Viswanadham B.V.S., Mahesh K.V., 2002. Modeling deformation behaviour of clay liners ina a small centrifuge, Candad. Geotech. Journal, Vol. 39, pp 1406-1418- Kaolin CF = 63	28	44,5	16,5	63	71
Wijeveera H., Joshi R.C.,1991. Creep behavior of fine- grained frozen soils Canad. Geotech. Journal, Vol 28, pp 489-502	25	43	18		72
Yeung A.T., Dalta S.,1995. Fundamental formulation of electrokinetic extraction of contaminants from soil. Canad. Geotech. Journal, Vol. 32, pp 569-583 Georgia Kaolinite CF = 90	34	64	30	90	73
Yong R., Warkentin B., 1975.Soil properties and behaviour-Elsevier , pp 66 - Kaolinite-Ca - White (1949)	36	73	37		74
Yong R., Warkentin B., 1975.Soil properties and behaviour-Elsevier , pp 66 - Kaolinite-Na - White (1949)	26	52	26		75
Yong R.N., Sheremata T.W.,1991. Effect of chloride ions on adsorption of cadmium from a landfill leahate. Canad. Geotech. Journal, Vol 28, pp 378-387 Kaolinite hydrite PX	35	61	26	86	76
Horpibulsuk S., Yangsukkaseam N., Chinkulkijniwat A., Yan Jun Du. Compressibility and permeability of Bangkok clay compared with kaolinite and bentonite. Applied Clay Science 52 (2011) 150–159	24	46	22	69	77
Vardanega P. J., Haig S.K.,The undrained strength – liquidity index relationship. Technical Paper. Re-submitted to Canadian Geotechnical Journal 2014	43	80,4	37,4		78
	25	48,3	23,3		79
	24	40,6	16,6		80
	24	38,7	14,7		81
	28	53,4	25,4		82
	28	67,1	39,1		83
Cerato A., Lutenegger A.J., Activity, Relative Activity and Specific Surface Area of Fine-Grained Soils. Proceedings of the 16th International Conference on Soil Mechanics and Geotechnical Engineering, Osaka, Japan, 12-16 September, 2005 2006 pp. 325-328	26	42	16	36,2	84
	40	70	30	67,6	85
Koistra A., Verhoerf P.N.W., Broere W., Ngan-Tillard D.J.M., van Tol A.F.. APPRAISAL OF STICKINESS OF NATURAL CLAYS FROM LABORATORY TESTS. Appraisal of - Geo-Engineering - TU Delft 1998	37	52	15		86
	42	71	29		87
Bain J.A. A plasticity chart as an aid to the identification and assessment of industrial clays. Clay Minerals pp 1-17. 1971 China clay Cornwall	37	52	15		88
Bain J.A. A plasticity chart as an aid to the identification and assessment of industrial clays. Clay Minerals pp 1-17. 1971 Alluvial kaolin, Devon	41	64	23		89
Bain J.A. A plasticity chart as an aid to the identification and assessment of industrial clays. Clay Minerals pp 1-17. 1971 Kaolinitic River clay, British Honduras	38	79	41		90
Bain J.A. A plasticity chart as an aid to the identification and assessment of industrial clays. Clay Minerals pp 1-17. 1971 Ball clay, Devon	32	76	44		91
DOLINAR B. SKRABL S.. ATTERBERG LIMITS IN RELATION TO OTHER PROPERTIES OF FINED GRAINED SOILS. , ACTA GEOTECHNICA SLOVENICA, 2013/2 pp 5-13	31	50	19		92
Moutou J.M., Mbedi R.,. Elimbi A., Njopwouo D., Yvon J., Barres O., Ntekela H.R..Mineralogy and Thermal Behaviour of the Kaolinitic Clay of Loutété (Congo-Brazzaville) Research Journal of Environmental and Earth Sciences 4(3): 316-324, 2012	31,5	62,2	30,7		93
White W.A. Atterberg Limits of Clay Minerals Report of investigations N° 144 pp 508-512 1949	29,86	34,98	5,12		94
	36,29	58,35	22,06		95
O´Kelly B.C.. Atterberg limits and remolded shear strength-water content relationships. ASTM Geotechnical Testing Journal, Vol 36 N°6 pp939-947. 2013	23,7	37,5	13,8		96
Leong E.C., Widiastuti S., Rahardjo H.. Estimating Wetting-induced Settlement of Compacted Soils using Oedometer Test. Geotechnical Engineering Journal of the SEAGS & AGSSEA Vol. 44 No.1 March 2013 ISSN 0046-5828	44	61	17	8,8	97
Spagnoli G., Sridharan A.. Liquid limit of mixtures of smectite, kaolinite and quartz powder with water and NaCl solution. International Journal of Geotechnical Engineering (2012) 6: (117-123)	35	57	22	48	98
Suzuki M., Yamamoto T., Tanikawa K., Fukuda J., Hisanaga K.. Variation in residual strength of clay with shearing speed http://memoirs.lib-e.yamaguchi-u.ac.jp/521/06.pdf 2001	21,8	62	40,2	35,3	99
Badmus B., Plasticity and compressibility characteristics of lateritic soil from southwestern Nigeria. Research Journal of Soil and Water management 1 (1) 10-14, 2010	28,92	46	17,08	31	100
	28,34	45	16,66	17	101
	27,05	46	18,95	32	102
	24,61	44	19,39	23	103
	23,11	37	13,89	21	104
	28,13	42	13,87	22	105
	22,66	38	15,34	25	106
	21,1	38	16,9	25	107
	24,53	36	11,47	22	108
	25,53	35	9,47	18	109
Sridharan A., Nagaraj H.B.,Prasad P.S..Liquid limit of soils from equilibrium water content in one-dimensional normal compression. Proc. Instn. Civ. Engrs Geotech. Engng,2000,143, July,165-169	35,6	48	12,4		110
	31,4	55	23,6		111
	45,2	58,7	13,5		112
Cerato A.B., Lutenegger A.J., Determining the Intrinsic Compressibility of Fine-Grained Soils . TN 2002	26	42	16	36,2	113

Illite data n = 92	WP	WL	IP	CF	Nº
Husein Malkawi A.I., Alawneh A.S., Abu-Safaqah O.T., 1999. Effects of organic matter on the physical and the physicochemical properties of an illitic soil. Applied Clay Science, Vol 14, pp 257-278	45	79	34		1
Lagaly G.. Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 35	32	93	61		2
Lagaly G.. Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 35	29	76	47		3
Lagaly G.. Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 35	29	54	25		4
Lutenegger, A.J. and Cerato, A.B., 2001. Surface Area and Engineering Properties of Fine-Grained Soils. Proceedings of the 15th International Conference of Soil Mechanics and Geotechnical Engineering (ICSMGE), Vol. 1, pp. 603-606. Illite Green	23	33	10		5
Merckelbach L.M., Krankenburg C., 2004, Equations for effective stress and permeability of soft mud-sand mixtures. Géotechnique 54, No 4, pp. 235-243. Dollard mud	38	80	42	43	6
Mesri, Cepeda Diaz, 1986. Residual shear strength of clays and shales, Géotechnique Vol. 36, pp272	35	87	52		7
Mesri, Cepeda Diaz, 1986. Residual shear strength of clays and shales, Géotechnique Vol. 36, pp272	30	80	50		8
Shroff A.V., Parikh P., 1987, Effective stress distribution in expansive clays during consolidation, 6th Int. Conference on expansive soils. India Vol I, pp 167-170	25	46,4	21,4	49	9
Sridharan A., Nagaraj H.B., Srinivas N., 1999. Rapid method of consolidation testing. Canad. Geotech. Journal. Vol 36, pp 392-400 - CF = 51.5	29,5	39	9,5		10
Taqieddin S., al Homoud A.S., Thomas A., 1995, Solos e Rochas Vol 18 No 1, pp 19-30	49	108	59	64	11
Trevisan S.J. 1987, Soil cracking and vertical movements hydric regime relationship. Two case histories in Argentina. 6th Int. Conference on expansive soils. India Vol I, pp 343-347	26	36	10		12
Trevisan S.J. 1987, Soil cracking and vertical movements hydric regime relationship. Two case histories in Argentina. 6th Int. Conference on expansive soils. India Vol I, pp 343-347	25	64	39		13
Trevisan S.J. 1987, Soil cracking and vertical movements hydric regime relationship. Two case histories in Argentina. 6th Int. Conference on expansive soils. India Vol I, pp 343-347	27	88	61		14
Trevisan S.J. 1987, Soil cracking and vertical movements hydric regime relationship. Two case histories in Argentina. 6th Int. Conference on expansive soils. India Vol I, pp 343-347	28	75	47		15
Trevisan S.J. 1987, Soil cracking and vertical movements hydric regime relationship. Two case histories in Argentina. 6th Int. Conference on expansive soils. India Vol I, pp 343-347	25	69	44		16
Trevisan S.J. 1987, Soil cracking and vertical movements hydric regime relationship. Two case histories in Argentina. 6th Int. Conference on expansive soils. India Vol I, pp 343-347	26	53	27		17
Trevisan S.J. 1987, Soil cracking and vertical movements hydric regime relationship. Two case histories in Argentina. 6th Int. Conference on expansive soils. India Vol I, pp 343-347	25	43	18		18
Trevisan S.J. 1987, Soil cracking and vertical movements hydric regime relationship. Two case histories in Argentina. 6th Int. Conference on expansive soils. India Vol I, pp 343-347	25	37	12		19
Tsirambides A. 2004. Genesis and physical characteristics of the Neogene red beds from the Cedar Hills of Thessaloniki, Macedonia, Greece. http://www.geo.auth.gr/ege2004/articles/SD15_98.pdf	17	28,1	11,1	17	20
Tsirambides A. 2004. Genesis and physical characteristics of the Neogene red beds from the Cedar Hills of Thessaloniki, Macedonia, Greece. http://www.geo.auth.gr/ege2004/articles/SD15_98.pdf	17,5	28,3	10,8	18	21
Tsirambides A. 2004. Genesis and physical characteristics of the Neogene red beds from the Cedar Hills of Thessaloniki, Macedonia, Greece. http://www.geo.auth.gr/ege2004/articles/SD15_98.pdf	16,9	27,4	10,5	15	22
Tsirambides A. 2004. Genesis and physical characteristics of the Neogene red beds from the Cedar Hills of Thessaloniki, Macedonia, Greece. http://www.geo.auth.gr/ege2004/articles/SD15_98.pdf	17,4	31	13,6	22	23
Tsirambides A. 2004. Genesis and physical characteristics of the Neogene red beds from the Cedar Hills of Thessaloniki, Macedonia, Greece. http://www.geo.auth.gr/ege2004/articles/SD15_98.pdf	17,8	26,9	9,1	16	24
Tsirambides A. 2004. Genesis and physical characteristics of the Neogene red beds from the Cedar Hills of Thessaloniki, Macedonia, Greece. http://www.geo.auth.gr/ege2004/articles/SD15_98.pdf	16	31,6	15,6	20	25
Tsirambides A. 2004. Genesis and physical characteristics of the Neogene red beds from the Cedar Hills of Thessaloniki, Macedonia, Greece. http://www.geo.auth.gr/ege2004/articles/SD15_98.pdf	16,1	33,4	17,3	25	26
Yong R., Warkentin B. Soil Properties and Behaviour, Elsevier 1975 ISBN 0-444-41167-4 . Data from White (1949) Illite-Ca	40	90	50		27
Yong R., Warkentin B. Soil Properties and Behaviour, Elsevier 1975 ISBN 0-444-41167-4 . Data from White (1949) Illite-Na	34	61	27		28
ATTERBERG LIMITS IN RELATION TO OTHER PROPERTIES OF FINED GRAINED SOILS. DOLINAR B. SKRABL S., ACTA GEOTECHNICA SLOVENICA, 2013/2 pp 5-13	32	104	72		29
Koistra A., Verhoerf P.N.W., Broere W., Ngan-Tillard D.J.M., van Tol A.F.. APPRAISAL OF STICKINESS OF NATURAL CLAYS FROM LABORATORY TESTS. Appraisal of - Geo-Engineering - TU Delft 1998	24	62	38	63	30
	20	48	28	51	31
	20	55	35	45	32
White W.A. Atterberg Limits of Clay Minerals Report of investigations N° 144 pp 508-512 1949 Grundy Co, Illinois	35,7	61,2	25,5		33
White W.A. Atterberg Limits of Clay Minerals Report of investigations N° 144 pp 508-512 1949 La Salle Co, Illinois	24,75	35,9	11,15		34
White W.A. Atterberg Limits of Clay Minerals Report of investigations N° 144 pp 508-512 1949 Vermillion Co, Illinois	23,87	29,05	5,18		35
White W.A. Atterberg Limits of Clay Minerals Report of investigations N° 144 pp 508-512 1949 Jackson Co, Ohio	28,77	53,95	25,18		36
Cerato A., Lutenegger A.J., Activity, Relative Activity and Specific Surface Area of Fine-Grained Soils. Proceedings of the 16th International Conference on Soil Mechanics and Geotechnical Engineering, Osaka, Japan, 12-16 September, 2005 2006 pp. 325-328	23	33	10	48	37
Dewoolkar M.M., Huzjak R.J.. Drained residual shear strength of some claystones from Front Range Colorado. TN J.G.G.E 2005	30	51	21	45	38
	24	62	38	49	39
	18	50	32	47	40
Francisca F., Yun T.S., Ruppel C., Santamarina J.C.. Geophysical and geotechnical properties of near-seafloor sediments in the northern Gulf of Mexico gas hydrate province. Earth and Planetary Science Letters 237 (2005) 924– 939	45,3	102,4	57,1	55	41
	29,9	72,1	42,2	52,5	42
	27,8	55,4	27,6	48,5	43
WEBB D.K., COLLINS H.R..GEOLOGIC ASPECTS OF A RECENT LANDSLIDE INVINTON COUNTY, OHIO. The Ohio Journal of Science. v67 n2 (March, 1967), 65-74	28	51	23		44
	23	47	24		45
	27	49	22		46
	30	53	23		47
	33	62	29		48
	24	51	27		49
	27	49	22		50
	30	59	29		51
	27	52	25		52
	27	56	29		53
	31	62	31		54
Oyediran A.T., Akinkurolere O.O.. Geotechnical and Engineering Properties of Igbokoda Clay Deposit. Trends in Applied Sciences Research 1 (6) pp 654-657, 2006	23,3	47,7	24,4		55
	14	32,8	18,8		56
	17	36,3	19,3		57
Badmus B., Plasticity and compressibility characteristics of lateritic soil from southwestern Nigeria. Research Journal of Soil and Water management 1 (1) 10-14, 2010	22,56	44	21,44	25	58
	25,15	42	16,85	15	59
	21	42	21	20	60
	25,94	44	18,06	22	61
	19,81	34	14,19	16	62

	21,13	36	14,87	17	63
	23	42	19	15	64
	20,18	38	17,82	13	65
	23,99	42	18,01	14	66
	26,84	47	20,16	19	67
Mahmoudi S., Srasra E., Zargouni F., Characterization of Valangenian-Hauterivian clays of Northwestern Tunisia for ceramic fabrication. he Arabian Journal for Science and Engineering, Volume 33, Number 2A. 2008	11,96	29,88	17,92		68
	21,12	35,03	13,91		69
	24,46	38,17	13,71		70
	21,91	36,88	14,97		71
	23,26	37,68	14,42		72
	22,58	35,71	13,13		73
	22,22	35,55	13,33		74
	19,21	34,33	15,12		75
	22,6	40,37	17,77		76
	22,22	34,46	12,24		77
	21,42	34,15	12,73		78
	19,37	36,44	17,07		79
	23,75	40,64	16,89		80
	20,52	38,42	17,9		81
Zghal H.B., Medhioub M., Mhiri T., Characteristic of triassic clays and properties of building ceramics . Journal of ceramic processing research Vol 13, No 3, pp 202-209. 2012	29	39	10		82
	28	42	14		83
	26,5	39	12,5		84
Sridharan A., Nagaraj H.B.,Prasad P.S..Liquid limit of soils from equilibrium water content in one-dimensional normal compression. Proc. Instn. Civ. Engrs Geotech. Engng,2000,143, July,165-169	53	73,4	20,4		85
Ramasiarinoro V., Andrianaivo L., Randrianja R.,The role of conditioning and triggering factors in the occurrence of lavaka: a case study in the vicinity of Antananarivo capital, central Madagascar. Madamines, ISSN 2220-0681, vol. 4, 2012	24,8	43,4	18,6		86
	28,2	38,2	10		87
	23,4	36,6	13,2		88
	22,9	35,7	12,8		89
	23,6	36,5	12,9		90
	21,4	33,4	12		91
Cerato A.B., Lutenegger A.J., Determining the Intrinsic Compressibility of Fine-Grained Soils . TN 2002	23	45	22		92
					93
					94
Sridharan A., Nagaraj H.B.,Prasad P.S..Liquid limit of soils from equilibrium water content in one-dimensional normal compression. Proc. Instn. Civ. Engrs Geotech. Engng,2000,143, July,165-169	74,9	128,5	53,6		-

Montmorillonite data n = 196	WP	WL	IP	CF	Nº
Agarwal K.B., Rathee R.K., 1987, Bearing capacity in expansive soils. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 433-438	54	100	46		1
Al-Mukhtar M., Belanteur N., Tessier D., Vanaalli S.K., 1996. The fabric of a clay soil under controlled mechanical and hydraulic stress states. Applied Clay Science 11 pp 99-115. Elsevier	25	70	45		2
Alston C., Daniel D.E., Devroy D.J.. Design and construction of sand-bentonite liner for effluent treatment lagoon, Marathon, Ontario. Canad. Geotech. Journal, Vol 34, 1997, pp 841-852	**36**	**450**	**414**		3
Cerato, A.B., 2001. Influence of Surface Area on Geotechnical Characteristics of Fine-Grained Soils. MSc Thesis, University of Massachusetts. Kenney et al. (1992)	40	500	460		4
Cerato, A.B., 2001. Influence of Surface Area on Geotechnical Characteristics of Fine-Grained Soils. MSc Thesis, University of Massachusetts. Kinsky et al. (1971)	68	430	362	82	5
Cerato, A.B., 2001. Influence of Surface Area on Geotechnical Characteristics of Fine-Grained Soils. MSc Thesis, University of Massachusetts. Nagaraj et al. (1993)	70	300	230		6
Cerato, A.B., 2001. Influence of Surface Area on Geotechnical Characteristics of Fine-Grained Soils. MSc Thesis, University of Massachusetts. Raymond (1966)	46	118	72	55	7
Cerato, A.B., 2001. Influence of Surface Area on Geotechnical Characteristics of Fine-Grained Soils. MSc Thesis, University of Massachusetts. Mesri et al. (1971)	33	220	187		8
Cerato, A.B., 2001. Influence of Surface Area on Geotechnical Characteristics of Fine-Grained Soils. MSc Thesis, University of Massachusetts. Mesri et al. (1971)	35	207	172		9
Chummar A. V., 1987,Treatment of expansive soil below existing structures with sand lime piles. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 451-452	24	62	38	62	10
Cuisinier O., Comportement hydromécanique des sols gonflants compactés, 2002, Thèse de doctorat, Institut National Polytechnique de Lorraine- Bentonite FVO	81	111	30		11
Feng T.-W.. A linear d-logw model for the determination of consistency limits of soils. Canad. Geotech. Journal, Vol 38, 2001, pp 1335-1342 - ((Wasti and Bezirci, 1986)	**37**	**423**	**386**		12
Feng T.-W.. A linear d-logw model for the determination of consistency limits of soils. Canad. Geotech. Journal, Vol 38, 2001, pp 1335-1342 - (Feng 2000)	**38**	**526**	**488**		13
Fleureau J-M, Verbrugge J-C, Huergo P.J., Gomez A., Kheirbek S.. Aspects of the behaviour of compacted clayey soils on drying and wetting paths. 2002, Canad. Geotech. Journal, Vol. 39, pp 1341-1357- 80 montmorillonite + sand - CF = 60	31	82	51	60	14
Fleureau J-M, Verbrugge J-C, Huergo P.J., Gomez A., Kheirbek S.. Aspects of the behaviour of compacted clayey soils on drying and wetting paths. 2002, Canad. Geotech. Journal, Vol. 39, pp 1341-1357- Ca montmorillonite - CF = 40	60	170	110	40	15
Fleureau J-M, Verbrugge J-C, Huergo P.J., Gomez A., Kheirbek S.. Aspects of the behaviour of compacted clayey soils on drying and wetting paths. 2002, Canad. Geotech. Journal, Vol. 39, pp 1341-1357- FVO montmorillonite	64	164	100		16
Gleason M.H., Daniel D.E., Eykholt G.R.. Calcium and Sodium bentonites for hydraulic containment applications. Journal of Geotechnical and Geoenvironmental Engineering, Vol. 123, 1997, pp. 438-445.	**36**	**603**	**567**		17
Gleason M.H., Daniel D.E., Eykholt G.R.. Calcium and Sodium bentonites for hydraulic containment applications. Journal of Geotechnical and Geoenvironmental Engineering, Vol. 123, 1997, pp. 438-445.	**37**	**590**	**553**		18
Gleason M.H., Daniel D.E., Eykholt G.R.. Calcium and Sodium bentonites for hydraulic containment applications. Journal of Geotechnical and Geoenvironmental Engineering, Vol. 123, 1997, pp. 438-445.	26	124	98		19
Gleason M.H., Daniel D.E., Eykholt G.R.. Calcium and Sodium bentonites for hydraulic containment applications. Journal of Geotechnical and Geoenvironmental Engineering, Vol. 123, 1997, pp. 438-445.	38	123	85		20
Grabowska B., 2003 Modeling physical properties of mixtures of clays example of a two-component mixture of kaolinite and montmorillonite. Applied Clay Science 22, pp 251-259.	64,9	99,9	35	12	21
	72,5	224,5	152	12	22
Hasenpatt R., Degen W., Kahr G.Tonmineralogie und Bodenmechanik (1988) N133. ETHZ pp 73 - CF = 36,2	65,1	83,1	18	36,2	23
Hasenpatt R., Degen W., Kahr G.Tonmineralogie und Bodenmechanik (1988) N133. ETHZ pp 73 - CF = 71.2	38,3	137	98,7	71,7	24
Headley J.V., Boldt-Leppin B.E.J., Haug M.D., Peng J.. Determination of diffusion and adsorption coefficients for volatile organics in an organophilic clay-sand-bentonite liner. Canad. Geot. Journal, Vol 38, pp 809-817- Wyoming Na Bentonite	**65**	**435**	**370**	89	25
Hoffmann Ch., Thèse de doctorat. UPC, Barcelona, 2004, To be published	47	93	46		26
Howell J.L., Shackelford Ch. D.. Compaction of sand-processed clay soil mixtures. Geothecnical Testing Journal, 1997, Vol. 20, pp 443-458 -Powdery bentonite	35	**413**	**378**		27
Howell J.L., Shackelford Ch. D.. Compaction of sand-processed clay soil mixtures. Geothecnical Testing Journal, 1997, Vol. 20, pp 443-458 -granular bentonite	38	**405**	**367**		28
Kabbaj M. (1981). Thèse de doctorat. Contribution à l' étude des propriétés mécaniques et du gonflement anisotropes d' une bentonite compactée. INPG-Grenoble, France. pp. 43 Bentonite CV 15, CF = 74	**58**	**665**	**607**	74	29
Kashir M., Yanful E.K.. Hydraulic conductivity of bentonite permeated with acid mine drainage. Canad. Geotech. Journal, Vol 38, 2001, pp 1034-1048- CF = 86	45	400	355	86	30
Katti D.R., Katti R.K., 1987, Studies on passive resistance development in saturated expansive soil. 6th Int. Conference on expansive soils. India Vol I, pp61-66	42	71,4	29,4	55	31
Kaya A., Fang H-Y. The effects of organic fluids on physicochemical parameters of fine-grained soils. Géotechnique, Vol 37, 2000, pp 943-950.	70	440	370		32
Komine H., Ogata N.. Prediction for swelling characteristics of compacted bentonite. Canad. Geotech. Journal, Vol. 33, 1996, pp. 11-22 Na bentonite	**26,6**	**473,9**	**447,3**	64,5	33
Kuomoto T, Houlsby T.. Theory and practice of the fall cone test , Géotechnique, 2001, Vol 51, pp 701-712	43,3	334,2	290,9		34
Kuomoto T, Houlsby T.. Theory and practice of the fall cone test , Géotechnique, 2001, Vol 51, pp 701-712	35,6	**402**	**366,4**		35
Lagaly G.. Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 13	50	190	140		36
Lagaly G..Tonmineralogie und Bodenmechanik (1988) N133.Eidgenössische Technische Hochschule Zürich(ETHZ). pp 13	48	431	383		37
Lee Jae-M, Shackelford Ch. D., Benson C.H., Jo Ho-Y, Edil T.B., 2005. Correlating Index Properties and Hydraulic Conductivity of Geosynthetic Clay Liners. Journal of Geotechnical and Geoenvironmental Engineering ASCE. Vol 131, No 11, pp 1319-1329.	**41**	**589**	**548**		38
	37	**430**	**393**		39
Likos W.J., Lu N., Automated humidity system for measuring total suction characteristics of clay. Geothecnical Testing Journal, 2003, Vol. 26, pp 179-190 - Soda lakes smectite	35	111	76	90	40
Likos W.J., Lu N., Automated humidity system for measuring total suction characteristics of clay. Geothecnical Testing Journal, 2003, Vol. 26, pp 179-190 - Wyoming bentonite	132	485	353	100	41
Likos W., Sharkey K., 2005. Laboratory characterization of steeply dipping expansive bedrock in the Rocky Mountain front range. Journal of Geotechnical and Geoenvironmental Engineering ASCE. Vol 131, No 9, pp 1162-1171.	45	118	73		42
Ling H.I., Pamuk A., Dechasakulsom M, Mohri Y., Burke Ch. 2001. Journal of Geotechnical and Geoenvironmental Engineering, pp 950-954 - Ca bentonite	42	103	61		43
Ling H.I., Pamuk A., Dechasakulsom M, Mohri Y., Burke Ch. 2001. Journal of Geotechnical and Geoenvironmental Engineering, pp 950-954 - Na bentonite	**43**	**433**	**390**		44
Lingau B.E., Graham J., Tanaka N.. Isothermal modeling of sand-bentonite mixtures at elevated temperatures. Canad. Geotech. Journal, Vol 32, 1995, pp. 78-88	50	250	200		45
Lutenegger, A.J. and Cerato, A.B., 2001. Surface Area and Engineering Properties of Fine-Grained Soils. Proceedings of the 15th International Conference of Soil Mechanics and Geotechnical Engineering (ICSMGE), Vol. 1, pp. 603-606. NaCa Montm.	39	64	25	47	46
Hectorite	48	400	352	53	47
Ca Montmor.	44	142	98	73	48
Na Montmor.	35	519	484	60	49
PC Southern Bentonite	47	97	50	50	50
Montmorillonite	52	560	508	96	51
Ca Montmor.	58	130	72	38	52
Malhotra B.R., Murty A.V.S.R., Chandra D.1987,Parameters influencing stabilisation of black cotton soils with lime. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 459-463	31,3	58,5	27,2	56	53
Marcial D., Delage P., Cui Y.J.. On the high stress compression of bentonites. Canad. Geot. Journal, Vol 39, 2002, pp 812-820, CF = 79.5	**62**	**458**	**396**	79,5	54
Marcial D., Delage P., Cui Y.J.. On the high stress compression of bentonites. Canad. Geot. Journal, Vol 39, 2002, pp 812-820, Kunigel clay Montmorillonite- CF = 64.5	**27**	**520**	**493**	64,5	55
Mesri, Cepeda Diaz, Residual shear strength of clays and shales, Géotechnique Vol. 36, 1986- Montmorillonite Ca	35	205	170		56
Mesri, Cepeda Diaz, Residual shear strength of clays and shales, Géotechnique Vol. 36, 1986 Montmorillonite Na	**47**	**1140**	**1093**	50,4	57
Mukerjee S., Satyanarayana B., 1987,1987,Study of anisotropy of swelling in clays. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 445-450	21,5	57	35,5		58

Müller-Vonmoos M., Loken T..Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 35- Montmorillonite Arizona		85	137	52		59
Müller-Vonmoos M., Loken T..Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 35- Montmorillonite Arizona		56	158	102		60
Müller-Vonmoos M., Loken T..Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 35- Montmorillonite Arizona		50	190	140		61
Müller-Vonmoos M., Loken T..Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 35- Montmorillonite Arizona		48	431	383		62
Müller-Vonmoos M., Loken T..Tonmineralogie und Bodenmechanik (1988) N133. Eidgenössische Technische Hochschule Zürich(ETHZ). pp 35- Montmorillonite -Ca Wyoming		**26**	**264**	**238**		63
Nath A., DeDalal S.S., 2004. The role of plasticity index in predicting compression behaviour of clays. http://www.ejge.com/2004/Ppr0466.htm		46,4	205,6	159,2	80	64
Peterson R.W., 1999. http://geoscience.wes.army.mil/influenceShortPolymer.PDF. USA Army Engineer Research and Development Center - calcium bentonite		42	103	61		65
Peterson R.W., 1999. http://geoscience.wes.army.mil/influenceShortPolymer.PDF. USA Army Engineer Research and Development Center - sodium bentonite		43	433	390		66
Polidori E., Proposal for a new plasticity chart. Géotechnique, 2003, Vol 53, pp 397-406 -		45	204	159		67
Polidori E., Proposal for a new plasticity chart. Géotechnique, 2003, Vol 53, pp 397-406 -		49	372	323		68
Polidori E., Proposal for a new plasticity chart. Géotechnique, 2003, Vol 53, pp 397-406 -		56	535	479		69
Polidori E., Proposal for a new plasticity chart. Géotechnique, 2003, Vol 53, pp 397-406 - - Di Maio & Fenelli (1994) 100 bentonite + 0 kaolinite		55,2	330,6	275,4		70
Polidori E., Proposal for a new plasticity chart. Géotechnique, 2003, Vol 53, pp 397-406 - Rao et al. (1989)		43,9	348	304,1		71
Prasad Y.V.S.N., Rao N.. A new two point method of obtaining Cv from a consoidation test. Canad. Geotech. Journal, Vol. 32, 1995, pp 741-746 Bentonite 1		47	254	207		72
Prasad Y.V.S.N., Rao N.. A new two point method of obtaining Cv from a consoidation test. Canad. Geotech. Journal, Vol. 32, 1995, pp 741-746 Bentonite 2		47	272	225		73
Ranganatham B.V., 1987, Basic studies on montmorillonite with soil admixtures. 6th International Conference on expansive soils. New Dehli, India.Vol I, pp 31-37		**42**	**558**	**516**	100	74
Rao C.B., Nadgir M.B., Iyengar R.N.,1987,Stabilisation of black cotton soil with inorganic additives. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 453-458		32	75	43	45	75
Roy L.B., Rao A.S.R. 1987, Study of anisotropy of swelling in clays.6th Int. Conference on expansive soils. India Vol I, pp 439-444		49	84	35	48	76
Roy L.B., Rao A.S.R., 1987,Study of anisotropy of swelling in clays. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 439-444		58	135	77	55,5	77
Salvagni K., Bica A.V., Consoli N., Altamirano J.A., 2002, Estudo da morfologia e condutividade hidráulica de misturas de cinza de carvao-bentonita. Proceedings XII COBRAMSEG, San Pablo, Brasil . vol. 1, pp359-368		**45**	**600**	**555**		78
Santucci F., Silvestri F., Vinale F.. Physical and mechanical properties of a compacted silty sand with low bentonite fraction. Canad. Geotech. Journal, Vol 35, 1998, pp 909-925.		90	506	416		79
Schreiner H.D.,1987,Swelling of soils compacted dry of the plastic limit. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 395-398		51	125	74	67	80
Shanker N.B., Ratnam M.V., Rao A.S., 1987, Multi-dimensional swell behaviour of expansive clays.6th Int. Conference on expansive soils. India Vol I, pp143-147		19,5	110	90,5	33	81
Shroff A.V., Parikh P., 1987, Effective stress distribution in expansive clays during consolidation, 6th Int. Conference on expansive soils. India Vol I, pp 167-170		64	365	301	63	82
Sivapullaiah P.V.., 1987,Inter layer swelling of Na, Ca- Montmorillonite clays. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 423-426		44	305	261		83
Sivapullaiah P.V.., 1987,Inter layer swelling of Na, Ca- Montmorillonite clays. 6th International Conference on expansive soils. New Dehli, India. Vol I, pp 423-426		33	99	66	27	84
Sivapullaiah P.V., Sridharan A., Stalin V.K., 1996. Swelling behaviour of soil-bentonite mixtures. Canad. Geotech. Journal, Vol 33, 808-814		60	320	260		85
Sivapullaiah P.V., Sridharan A., Stalin V.K., 2000. Hydraulic conductivity of bentonite-sand.mixtures. Canad. Geotech. Journal, Vol 37, pp 406-413- CF = 100		60	344	284	100	86
Soule N.M., Burns S. E.. Effects of organic cations structure onbehaviour of organobentonites. Journal of Geotechnical and Geoenvironmental Engineering, Vol. 127, 2001, pp 363-370		42	458	416		87
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -aluminium		60,5	108	47,5		88
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -ammonium		55,8	223	167,2		89
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -barium		45,8	108	62,2		90
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -calcium		40,6	125	84,4		91
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -iron		63,5	120	56,5		92
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -lithium		**49,1**	**675**	**625,9**		93
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -magnesium		49,9	129	79,1		94
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -potasium		57,8	233	175,2		95
Sridharan A., Rao S.M., Nurthy N.S., Compressibility behaviour of homoionized bentonites. Géotechnique Vol 36, 1986, pp 551-564 -sodium		**49,2**	**495**	**445,8**		96
Sridharan A., Nagaraj H.B., Srinivas N.. Rapid method of consolidation testing. Canad. Geotech. Journal. Vol 36, 1999, pp 392-400 CF = 100		56,6	320	263,4	100	97
Sridharan A., Nagaraj H.B., Srinivas N.. Rapid method of consolidation testing. Canad. Geotech. Journal. Vol 36, 1999, pp 392-400 CF = 51.5		35,6	73,5	37,9	51,5	98
Sridharan A., Prakash K.. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, 199, pp 1030-1038		50	332	282		99
Sridharan A., Prakash K.. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, 199, pp 1030-1038 Black cotton soilclay, CF=48		41	132	91	48	100
Sridharan A., Prakash K.. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, 199, pp 1030-1038 CF=65.5		50	393	343	65,5	101
Sridharan A., Prakash K.. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, 199, pp 1030-1038 Cochin Marine clay, CF= 52		35	116	81	52	102
Sridharan A., Prakash K.. Mechanisms controlling the undrained shear strength behaviour of clays. Canad. Geotech. Journal, Vol. 36, 199, pp 1030-1038 Black cotton soil CF=70		52	101	49	70	103
Sridharan A., Venkatappa Rao G.. Shear strength behaviour of saturated clays and the role of the effective stress concept, Géotechnique, 1979, Vol 29, pp 177-193		44	305	261		104
Stark T.D., 1995, Measurement of drained residual strength of overconsolidated clays. Transportation Research Record 1479. pp 26-34-Altamira Bentonitic tuff California		37	98	61	68	105
Stark T.D., 1995, Measurement of drained residual strength of overconsolidated clays. Transportation Research Record 1479. pp 26-34-Altamira Bentonitic tuff California		53	112	59	73	106
Stark T.D., 1995, Measurement of drained residual strength of overconsolidated clays. Transportation Research Record 1479. pp 26-34-Altamira Bentonitic tuff California		47	192	145	65	107
Stark T.D., 1995, Measurement of drained residual strength of overconsolidated clays. Transportation Research Record 1479. pp 26-34-Altamira Bentonitic tuff California		48	253	205	65	108
Stewart D.J., Tay Y.Y. Cousens T.W.. The strength of unsaturated bentonite-enhanced sand, Géotechnique, Vol 51, 2001. pp 767-775		**27**	**354**	**327**		109
Studds Ph. G. 1997, The effecto of ion valence on the swelling behaviour of sodium montmorillonite. Solos e Rochas Vol 20, No 1 pp 19-24		**34**	**354**	**320**		110
Sudhindra C., Moza K.K., 1987, An approach for lateral pressure assessment in expansive soils. 6th Int. Conference on expansive soils. India Vol I, pp67-70 - Poona soil		43,2	81,5	38,3	56	111
Yeo Sang-S., Shackelford Ch. D., Evans J.C., 2005. Consolidation and hydraulic conductivity of nine model soil-bentonite backfills. Journal of Geotechnical and Geoenvironmental Engineering ASCE. Vol 13, No 10, pp 1189-1198.		**43**	**497**	**454**	90	112
Yong R., Warkentin B. Soil Properties and Behaviour, Elsevier 1975 ISBN 0-444-41167-4- Data from White (1949)-Montmorillonite Ca		63	177	114		113
Yong R., Warkentin B. Soil Properties and Behaviour, Elsevier 1975 ISBN 0-444-41167-4. Data from White (1949) Montmorillonite Na		97	700	603		114
Shariatmadari N., Salami M., Karimpour Fard M.. Effect of inorganic salt solutions on some geotechnical properties of soil-bentonite mixtures as barriers. International Journal of Civil Engineering Vol 9 pp103-110. 2011		41,5	199,4	157,9		115
O´Kelly B.C.. Atterberg limits and remolded shear strength-water content relationships. ASTM Geotechnical Testing Journal, Vol 36 N°6 pp939-947. 2013						
	Bentonite B1	43,3	334	290,7		116
	Bentonite B2	35,6	402	366,4		117

Sudjiantu A.T. et al..The Effect of Variation Index Plasticity and Activity in Swelling Vertical of Expansive Soil. International Journal of Engineering & Technology IJET-IJENS Vol: 11 No: 06 pp 142-148. 2011		29,77	101	71,23	95,6	118
Heeralal M. et al.. Influence of Calcium Chloride and Sodium Silicate on Index and Engineering Properties of Bentonite. International Conference on Chemical, Environmental Science and Engineering (ICEEBS'2012) pp 52-57. July 28-29, 2012 Pattaya (Thailan		50	280	230	68	119
White W.A. Atterberg Limits of Clay Minerals Report of investigations N° 144 pp 508-512 1949						
	Belle Fourche, Dakota	97	603	506		120
	Pontotoc, Mississipi	81,41	117,48	36,07		121
Man S., Junin R., Samsuri A. et al., Properties Study of a local bentonite as an additive in oil and gas industry 2000						
	Wyoming USA	**33,5**	**479**	**445,5**		122
	Mansuli	80,1	116,4	36,3		123
	Andrassy	51,4	77	25,6		124
Hong. Ch, Shackelford Ch., Malusis M.. Consolidation and hydraulic conductivity of zeolite-amended soil-bentonite backfills. JGGE ASCEVol 138 N1 pp 15-25		**54**	**511**	**457**		125
Hussein R.A.M., Sumya A.M., Abusabah E.E.,Adil A.A..Rheologyical Properties Evaluation of Sudanese Bentonite with Different Additives SUST Journal of Engineering and Computer Science (JECS), Vol. 15, No. 1, January 2014		29	66	37	24	126
Christensen A.P., 1969, Cement modification of clay soils-Portland Cement Association.Research and Development Bulltetin. Illinois USA.		81,41	117,48	36,07		127
Moum J., Rao Ch.N., Ayyar T.S.R. A NATURAL 17 A MONTMORILLONITE-ORGANIC FROM ALLEPPEY, KERALA STATE-INDIA. Clays and Clay Minerals, 1973, Vol. 21, pp. 89-95.		27	108	81	60	128
Nayak S., B.M.Sunil, Allamaprabhu K.. Assessment of Blended Lithomargic Clay as Landfill Liner Material. Current Advances in Civil Engineering Volume2, Issue 4 Oct. 2014 PP. 102-117		45	297	252	80	129
Asad A., Kar S., Ahmeduzzaman M., Hassan M.R.. Suitability of bentonite clay: an analytical approach. International Journal of Earth Science. Vol. 2, No. 3, 2013, pp. 88-95						
	China	75,17	140	64,83	75	130
	Pakistan	46,41	84,5	38,09	63	131
	India	51,39	82,5	31,11	65	132
HeeralalM. , Murty V.R., Praveen G.V., Shankar S..Influence of Calcium Chloride and Sodium Silicate on Index and Engineering Properties of Bentonite International Conference on Chemical, Environmental Science and Engineering July 28-29, 2012 Pattaya		50	280	230	68	133
Al-Dahlaki M.H.. Effect of Fly Ash on the Engineering Properties of Swelling Soils. Journal of Engineering and Development, Vol. 11, No. 3, December (2007)		25,14	75,6	50,46	80,1	134
Horpibulsuk S., Yangsukkaseam N., Chinkulkijniwat A., Yan Jun Du. Compressibility and permeability of Bangkok clay compared with kaolinite and bentonite. Applied Clay Science 52 (2011) 150–159		36	211	175	48	135
Akbulut S., Z. Kurt N. and Arasan S.. Surfactant modified clays' consistency limits and contact angles. Earth Sci. Res. SJ. Vol. 16, No. 2 (December, 2012) pp13 - 19		38	88,4	50,4	74	136
Alfatlawi E. . SWELLING POTENTIAL AND MINERALOGY OF THI – QAR UNIVERSITY SOIL. Journal of Thi-Qar University number1 Vol.7 December/2011		27,5	50,5	23		137
		30	60	30		138
		26	48	22		139
		27	53	26		140
		29	57,66	28,66		141
		26,5	51,5	25		142
		24,3	41,66	17,36		143
		25	38	13		144
El-Mahllawy M. S. , Sharara A. M. , Hassaan Mahmoud M., Abdel Haleem A. M.. The composition and activation aspects of El-Fayoum clays. Egyptian Journal of Petroleum (2013) 22, 395–404		59	166	107	82,33	145
		64	185	121	82,33	146
		55	140	85	78,62	147
		56	150	94	89,6	148
		30	74	44	70,7	149
Vardanega P. J.,The undrained strength – liquidity index relationship. Technical Paper. Re-submitted to Canadian Geotechnical Journal 2014		37	283	246		150
		52	305	253		151
		51	552,5	501,5		152
		71	142	71		153
Cerato A., Lutenegger A.J., Activity, Relative Activity and Specific Surface Area of Fine-Grained Soils. Proceedings of the 16th International Conference on Soil Mechanics and Geotechnical Engineering, Osaka, Japan, 12-16 September, 2005 2006 pp. 325-328		44	142	98	73,3	154
		58	130	72	37,7	155
		35	519	484	60,4	156
Kenawi M. A. Kamel A. O..Durability of Expansive Soil Treated by Chemical Additives. International Journal of Engineering and Innovative Technology (IJEIT) Volume 3, Issue 1, July 2013		31	70,7	39,7	42	157
PETKOVS A. Et al. A LABORATORY CHARACTERIZATION OF SOILS AND CLAY-BEARING ROCKS USING THE ENSLIN-NEFF WATER-ADSORPTION TEST. ACTA GEOTECHNICA SLOVENICA, 2009/2		45	535	490		158
		35	207	172		159
		27	83	56		160
Koistra A., Verhoerf P.N.W., Broere W., Ngan-Tillard D.J.M., van Tol A.F.. APPRAISAL OF STICKINESS OF NATURAL CLAYS FROM LABORATORY TESTS. Appraisal of - Geo-Engineering - TU Delft 1998		89	157	68		161
		76	520	444		162
Abdelahman G.E., Shahien M.M., Swelling Treatment by Using Sand for Tamia Swelling Soil. http://www.fayoum.edu.eg/engineering/civil/pdf/paper7gs.pdf		33	72	39	52	163
Sudjianto A.T., Suryolelono K.B., Rifa A. Mochtar I.B.. The Effect of Variation Index Plasticity and Activity in Swelling Vertical of Expansive Soil.International Journal of Engineering & Technology IJET-IJENS Vol: 11 No: 06 2011		29,77	101	71,23	95,6	164
Alfatlawi E.A.M., SWELLING POTENTIAL AND MINERALOGY OF THI – QAR UNIVERSITY SOIL. Journal of Thi-Qar University number1 Vol.7 December/2011		27,5	50,5	23	38	165
		30	60	30	45	166
		22	48	26	30	167
		26	53	27	34	168
		28,66	57,66	29	45	169
		25	51,5	26,5	34	170
		17,33	41,66	24,33	23	171
		13	38	25	22	172
		27,5	52	24,5	39	173
		31	61	30	50	174
Dewoolkar M.M., Huzjak R.J.. Drained residual shear strength of some claystones from Front Range Colorado. TN J.G.G.E 2005		25	81	56	41	175

		22	72	50	36	176
		27	82	55	43	177
		26	66	40	43	178
		24	65	41	36	179
		25	80	55	32	180
		19	48	29	15	181
		21	71	50	18	182
		22	55	33		183
Rao S.M., Kachroo T.A., Allam M.M.. Geotechnical Characterization of Some Indian Bentonites for their Use as Buffer Material in Geological Repository. The 12th International Conference of International Association for Computer Methods and Advances in Geo						
	Barmer-1	40	408	368	86	184
	Barmer-2	35	317	282	73	185
	Wandh	51	328	277	91	186
	Hamla	50	243	193	92	187
	Pundi	48	175	127	84	188
Spagnoli G., Sridharan A.. Liquid limit of mixtures of smectite, kaolinite and quartz powder with water and NaCl solution. International Journal of Geotechnical Engineering (2012) 6: (117-123)		70	455	385	85	189
Stark T.D., Eid H..T., Drained residual strenght of cohesive soils. Journal of Geotechnical Engineering,Vol. 120, No. 5 , May, 1994.						
	Altamira	37	98	61	68	190
	Otay	53	112	59	73	191
	Oahe	47	192	145	65	192
	Lea Park	48	253	205	65	193
Akbulut S., Kurt Z.N. , Arasan S.. Surfactant modified clays' consistency limits and contact angles. Earth Sci. Res. SJ. Vol. 16, No. 2 (December, 2012): 13 - 19		38	88,4	50,4	74	194
		35	101	66	66,6	195
Cerato A.B., Lutenegger A.J., Determining the Intrinsic Compressibility of Fine-Grained Soils . TN 2002		108	202	94	67,3	196

25 bentonite + 75 kaolinite Polidori		34,4	100,9	66,5
50 bentonite + 50 kaolinite Polidori		37,8	165,3	127,5
40 bentonite + 60 kaolinite Polidori		44,3	205,5	161,2
75 bentonite +25 kaolinite Polidori		48,9	259,2	210,3
Allophane undried Yong R., Warkentin B. Soil Properties and Behaviour, Elsevier 1975 ISBN 0-444-41167-4. Data from Birrelli (1952)		136	231	95
Allophane airdried Yong R., Warkentin B. Soil Properties and Behaviour, Elsevier 1975 ISBN 0-444-41167-4. Data from B. Birrelli (1952)		78	85	7
	promedio	**45,2**	**237,1**	**191,9**
	stdev	**17,7**	**183,9**	**179,5**
	CV	**39,2**	**77,6**	**93,5**
	min	**13**	**38**	**13**
	max	**132**	**1140**	**1093**

	WP	WL	IP	Bentonite fraction
Likos W., Sharkey K., 2005. Laboratory characterization of steeply dipping expansive bedrock in the Rocky Mountain front range. Journal of Geotechnical and Geoenvironmental Engineering ASCE. Vol 131, No 9, pp 1162-1171.	23	44	21	0
	25	45	20	0,05
	23	53	30	0,15
	24	60	36	0,25
	24	65	41	0,35
	28	78	50	0,5
	30	91	61	0,7
	35	110	75	0,9
	45	118	73	1