

The data of Figure 1

Depth (m)	Percentage of particle sand (%)	Percentage of clay (%)	Percentage of silt (%)
0.50	16.55	22.17	61.28
1.00	20.79	19.61	59.61
1.50	10.84	22.17	67.00
2.00	33.00	12.91	54.09
2.50	45.62	10.34	44.04
3.00	0.30	32.71	67.00
3.50	20.10	20.20	59.70
4.00	16.26	30.15	53.60
4.50	8.77	18.33	72.91
5.00	28.57	26.01	45.42
6.00	55.42	3.12	41.46
7.00	25.30	15.62	59.08

The data of Figure 2

Particle size	Percentage	Particle size	Percentage	Particle size	Percentage	Particle size	Percentage	Particle size	Percentage
(μm)	%	(μm)	%	(μm)	%	(μm)	%	(μm)	%
Fine content=100%		Fine content=83.33%		Fine content=71.43%		Fine content=50%		Fine content=40%	
0.100	0.000	0.100	0.000	0.100	0.000	0.100	0.000	0.100	0.000
0.143	0.172	0.143	0.172	0.143	0.172	0.143	0.172	0.143	0.172
0.171	0.172	0.171	0.172	0.171	0.172	0.171	0.172	0.171	0.172
0.189	0.172	0.189	0.172	0.189	0.172	0.189	0.172	0.189	0.172
0.212	0.172	0.212	0.172	0.212	0.172	0.212	0.172	0.212	0.172
0.250	0.172	0.250	0.172	0.250	0.172	0.250	0.172	0.250	0.172
0.331	0.172	0.331	0.172	0.331	0.172	0.331	0.172	0.331	0.172
0.410	0.515	0.443	0.343	0.443	0.343	0.443	0.343	0.443	0.343
0.579	0.858	0.601	0.515	0.586	0.515	0.586	0.515	0.586	0.515
0.709	1.544	0.847	1.372	0.691	0.858	0.892	1.029	0.892	1.029
0.805	2.230	1.150	2.401	0.880	1.372	1.121	1.544	1.121	1.544
1.121	3.774	1.502	3.602	1.165	2.230	1.521	2.230	1.521	2.230
1.521	5.660	1.888	4.803	1.502	3.087	1.962	3.087	1.962	3.087
2.116	8.748	2.404	6.003	1.937	4.117	2.837	4.460	2.873	4.288
3.020	12.693	3.179	7.719	2.497	5.317	4.050	6.003	3.477	4.803
4.044	16.467	4.205	9.434	3.180	6.861	5.855	7.890	4.599	5.832
5.018	20.069	5.633	11.835	4.048	8.233	7.360	9.262	5.637	6.518
6.635	25.214	6.991	13.722	5.089	9.949	8.573	10.120	7.456	7.890
8.660	30.703	8.677	15.780	6.479	11.835	9.986	11.149	10.509	9.605
11.303	37.050	10.768	18.182	8.248	13.722	12.713	13.208	14.258	11.664

13.845	42.539	13.194	21.269	9.980	15.780	15.579	15.266	19.590	14.237
16.957	48.714	15.961	24.700	12.229	18.010	19.089	17.839	24.939	16.638
19.740	54.031	18.585	28.302	14.795	20.755	23.689	20.755	32.980	19.726
23.571	59.863	21.365	32.247	17.673	23.499	29.024	24.014	42.514	23.499
28.506	65.695	24.558	37.393	20.580	26.587	33.371	26.930	52.757	26.758
34.916	71.355	28.950	44.082	23.965	29.674	40.366	31.046	63.818	30.532
42.234	75.472	31.627	48.885	27.205	32.762	44.674	33.962	78.183	34.648
60.273	79.760	35.438	54.717	30.882	36.364	50.713	37.393	93.372	39.108
87.141	81.990	39.709	60.206	34.176	39.623	58.306	40.652	112.909	45.626
104.122	82.504	45.059	66.552	38.307	42.710	67.892	44.082	134.811	51.973
116.750	82.676	50.489	72.213	42.392	46.141	80.072	46.998	151.065	57.118
134.283	82.847	58.035	77.187	47.514	49.571	95.640	50.429	169.265	62.950
146.783	83.190	66.714	81.647	53.258	52.487	114.242	53.345	197.009	69.811
164.574	83.877	74.783	84.220	60.458	55.746	133.028	56.604	226.436	75.472
199.135	85.420	84.903	86.449	70.402	58.662	152.939	60.206	256.981	80.789
231.927	87.136	108.073	89.708	83.033	61.578	171.406	64.151	326.896	89.194
277.050	89.708	134.130	91.767	97.931	64.322	209.920	70.840	390.427	93.139
318.579	91.767	168.616	93.139	116.979	67.238	232.287	74.957	437.663	95.369
371.000	94.340	209.284	94.683	137.969	69.983	263.667	78.902	490.647	97.084
426.622	96.226	256.477	96.226	158.629	73.070	288.104	82.161	564.243	98.456
529.483	98.285	306.429	97.427	184.715	76.329	318.823	85.763	657.216	99.485
632.620	99.314	366.118	98.456	209.686	79.588	352.832	89.022	755.897	99.828
765.574	99.828	437.443	99.314	235.025	82.847	410.826	92.796	903.236	100.000
903.236	100.000	503.126	99.657	266.798	86.106	472.357	95.712		
		578.683	99.828	302.873	89.194	529.540	97.427		

		682.738	100.000	343.833	92.110	632.661	98.799		
		847.572	100.000	400.391	95.026	775.393	99.657		
				496.885	97.770	914.800	100.000		
				640.691	99.657				
				805.522	100.000				
				903.236	100.000				

The data of Figure 4 (Fine content =100%)

Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	105.88	0.50	221.85	0.50	380.67	0.50	456.30
1.00	178.99	1.00	380.67	1.00	627.73	1.00	831.93
1.50	229.41	1.50	489.08	1.50	784.03	1.50	1051.26
2.00	247.06	2.00	531.93	2.00	847.06	2.00	1144.54
2.50	259.66	2.50	557.14	2.50	889.92	2.50	1202.52
3.00	264.71	3.00	569.75	3.00	907.56	3.00	1225.21
3.50	269.75	3.50	579.83	3.50	922.69	3.50	1247.90
4.00	272.27	4.00	584.87	4.00	932.77	4.00	1263.03
4.50	277.31	4.50	592.44	4.50	942.86	4.50	1278.15
5.00	277.31	5.00	597.48	5.00	947.90	5.00	1283.19
5.50	279.83	5.50	597.48	5.50	952.94	5.50	1288.24
6.00	279.83	6.00	600.00	6.00	952.94	6.00	1290.76
6.50	279.83	6.50	602.52	6.50	955.46	6.50	1293.28
7.00	279.83	7.00	600.00	7.00	955.46	7.00	1293.28
7.50	279.83	7.50	600.00	7.50	955.46	7.50	1293.28
8.00	279.83	8.00	600.00	8.00	952.94	8.00	1290.76
8.50	277.31	8.50	597.48	8.50	950.42	8.50	1288.24
9.00	277.31	9.00	597.48	9.00	947.90	9.00	1285.71
9.50	277.31	9.50	597.48	9.50	947.90	9.50	1283.19
10.00	274.79	10.00	594.96	10.00	945.38	10.00	1278.15
10.50	274.79	10.50	594.96	10.50	942.86	10.50	1275.63
11.00	274.79	11.00	592.44	11.00	940.34	11.00	1270.59
11.50	272.27	11.50	589.92	11.50	937.82	11.50	1268.07
12.00	272.27	12.00	589.92	12.00	935.29	12.00	1265.55
12.50	272.27	12.50	587.39	12.50	930.25	12.50	1260.50
13.00	269.75	13.00	584.87	13.00	927.73	13.00	1257.98
13.50	269.75	13.50	584.87	13.50	925.21	13.50	1252.94
14.00	269.75	14.00	582.35	14.00	922.69	14.00	1250.42
14.50	267.23	14.50	579.83	14.50	920.17	14.50	1245.38
15.00	267.23	15.00	577.31	15.00	915.13	15.00	1242.86
15.50	267.23	15.50	577.31	15.50	912.61	15.50	1237.82
16.00	264.71	16.00	574.79	16.00	910.08	16.00	1232.77
16.50	264.71	16.50	572.27	16.50	905.04	16.50	1227.73
17.00	264.71	17.00	569.75	17.00	902.52	17.00	1222.69
17.50	262.18	17.50	567.23	17.50	897.48	17.50	1217.65
18.00	262.18	18.00	564.71	18.00	894.96	18.00	1212.61
18.50	259.66	18.50	562.18	18.50	892.44	18.50	1210.08
19.00	259.66	19.00	562.18	19.00	892.44	19.00	1207.56

19.50	259.66	19.50	559.66	19.50	887.39	19.50	1202.52
20.00	257.14	20.00	557.14	20.00	884.87	20.00	1197.48
20.50	257.14	20.50	554.62	20.50	879.83	20.50	1192.44
21.00	254.62	21.00	552.10	21.00	874.79	21.00	1184.87
21.50	254.62	21.50	549.58	21.50	872.27	21.50	1179.83
22.00	252.10	22.00	547.06	22.00	867.23	22.00	1174.79
22.50	252.10	22.50	544.54	22.50	864.71	22.50	1169.75
23.00	252.10	23.00	542.02	23.00	862.18	23.00	1167.23
23.50	249.58	23.50	542.02	23.50	859.66	23.50	1164.71
24.00	249.58	24.00	539.50	24.00	857.14	24.00	1159.66
24.50	247.06	24.50	536.97	24.50	852.10	24.50	1154.62
25.00	247.06	25.00	534.45	25.00	849.58	25.00	1149.58

The data of Figure 4 (Fine content =83.33%)

Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	122.02	0.50	261.90	0.50	413.69	0.50	508.93
1.00	199.40	1.00	428.57	1.00	669.64	1.00	854.17
1.50	247.02	1.50	535.71	1.50	827.38	1.50	1092.26
2.00	267.86	2.00	580.36	2.00	886.90	2.00	1175.60
2.50	276.79	2.50	607.14	2.50	928.57	2.50	1238.10
3.00	282.74	3.00	619.05	3.00	946.43	3.00	1258.93
3.50	288.69	3.50	630.95	3.50	961.31	3.50	1282.74
4.00	291.67	4.00	639.88	4.00	970.24	4.00	1297.62
4.50	294.64	4.50	645.83	4.50	982.14	4.50	1312.50
5.00	294.64	5.00	648.81	5.00	985.12	5.00	1318.45
5.50	297.62	5.50	651.79	5.50	991.07	5.50	1324.40
6.00	297.62	6.00	651.79	6.00	991.07	6.00	1327.38
6.50	297.62	6.50	651.79	6.50	994.05	6.50	1330.36
7.00	297.62	7.00	651.79	7.00	994.05	7.00	1330.36
7.50	297.62	7.50	651.79	7.50	994.05	7.50	1330.36
8.00	297.62	8.00	651.79	8.00	991.07	8.00	1327.38
8.50	294.64	8.50	648.81	8.50	988.10	8.50	1324.40
9.00	294.64	9.00	648.81	9.00	985.12	9.00	1324.40
9.50	294.64	9.50	648.81	9.50	985.12	9.50	1321.43
10.00	294.64	10.00	645.83	10.00	982.14	10.00	1315.48
10.50	294.64	10.50	645.83	10.50	979.17	10.50	1312.50
11.00	291.67	11.00	642.86	11.00	976.19	11.00	1309.52
11.50	291.67	11.50	639.88	11.50	976.19	11.50	1303.57
12.00	291.67	12.00	639.88	12.00	973.21	12.00	1300.60
12.50	291.67	12.50	636.90	12.50	970.24	12.50	1294.64

13.00	288.69	13.00	633.93	13.00	967.26	13.00	1291.67
13.50	288.69	13.50	633.93	13.50	964.29	13.50	1288.69
14.00	288.69	14.00	630.95	14.00	961.31	14.00	1282.74
14.50	285.71	14.50	627.98	14.50	955.36	14.50	1279.76
15.00	285.71	15.00	625.00	15.00	949.40	15.00	1276.79
15.50	285.71	15.50	625.00	15.50	946.43	15.50	1270.83
16.00	282.74	16.00	622.02	16.00	943.45	16.00	1264.88
16.50	282.74	16.50	619.05	16.50	940.48	16.50	1261.90
17.00	282.74	17.00	616.07	17.00	937.50	17.00	1255.95
17.50	279.76	17.50	613.10	17.50	934.52	17.50	1250.00
18.00	279.76	18.00	613.10	18.00	931.55	18.00	1247.02
18.50	276.79	18.50	610.12	18.50	928.57	18.50	1244.05
19.00	276.79	19.00	607.14	19.00	925.60	19.00	1241.07
19.50	276.79	19.50	607.14	19.50	919.64	19.50	1238.10
20.00	273.81	20.00	604.17	20.00	916.67	20.00	1232.14
20.50	273.81	20.50	601.19	20.50	910.71	20.50	1226.19
21.00	270.83	21.00	598.21	21.00	907.74	21.00	1220.24
21.50	270.83	21.50	595.24	21.50	901.79	21.50	1214.29
22.00	267.86	22.00	592.26	22.00	898.81	22.00	1208.33
22.50	267.86	22.50	589.29	22.50	895.83	22.50	1202.38
23.00	267.86	23.00	589.29	23.00	892.86	23.00	1199.40
23.50	267.86	23.50	586.31	23.50	889.88	23.50	1196.43
24.00	267.86	24.00	586.31	24.00	886.90	24.00	1193.45
24.50	264.88	24.50	583.33	24.50	883.93	24.50	1187.50
25.00	264.88	25.00	580.36	-	-	25.00	1181.55

The data of Figure 4 (Fine content =71.43%)

Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	161.03	0.50	266.73	0.50	387.53	0.50	536.02
1.00	286.82	1.00	515.84	1.00	737.32	1.00	1006.61
1.50	319.48	1.50	576.19	1.50	827.87	1.50	1117.30
2.00	337.05	2.00	611.38	2.00	880.67	2.00	1185.20
2.50	349.58	2.50	633.98	2.50	913.34	2.50	1232.97
3.00	357.08	3.00	649.03	3.00	933.42	3.00	1260.60
3.50	362.07	3.50	661.56	3.50	950.99	3.50	1283.20
4.00	367.05	4.00	669.06	4.00	963.52	4.00	1300.77
4.50	372.03	4.50	676.56	4.50	973.54	4.50	1313.30
5.00	374.50	5.00	684.06	5.00	983.56	5.00	1325.84
5.50	376.97	5.50	686.53	5.50	988.54	5.50	1330.82
6.00	376.91	6.00	688.99	6.00	991.01	6.00	1335.80
6.50	379.38	6.50	691.46	6.50	993.47	6.50	1338.27

7.00	379.33	7.00	691.41	7.00	995.94	7.00	1340.73
7.50	379.28	7.50	691.36	7.50	995.89	7.50	1340.69
8.00	379.23	8.00	693.83	8.00	998.35	8.00	1343.15
8.50	379.18	8.50	693.77	8.50	998.30	8.50	1345.62
9.00	379.13	9.00	693.72	9.00	998.25	9.00	1345.57
9.50	379.08	9.50	693.67	9.50	998.20	9.50	1345.51
10.00	379.03	10.00	693.62	10.00	995.64	10.00	1342.95
10.50	378.98	10.50	691.06	10.50	993.07	10.50	1340.38
11.00	376.41	11.00	688.49	11.00	993.02	11.00	1337.81
11.50	376.36	11.50	685.92	11.50	990.45	11.50	1335.25
12.00	376.31	12.00	683.36	12.00	987.88	12.00	1330.16
12.50	373.74	12.50	680.79	12.50	982.80	12.50	1325.08
13.00	371.17	13.00	678.22	13.00	980.23	13.00	1319.99
13.50	371.12	13.50	675.65	13.50	975.15	13.50	1314.91
14.00	368.56	14.00	673.09	14.00	970.07	14.00	1307.31
14.50	368.51	14.50	670.52	14.50	967.50	14.50	1302.23
15.00	365.94	15.00	667.95	15.00	962.41	15.00	1299.66
15.50	365.89	15.50	665.38	15.50	959.84	15.50	1294.57
16.00	365.84	16.00	665.33	16.00	957.28	16.00	1292.01
16.50	363.27	16.50	662.77	16.50	954.71	16.50	1286.93
17.00	363.22	17.00	662.72	17.00	949.63	17.00	1281.84
17.50	360.65	17.50	660.15	17.50	947.06	17.50	1279.27
18.00	360.60	18.00	657.58	18.00	944.49	18.00	1274.19
18.50	358.04	18.50	655.02	18.50	941.93	18.50	1271.62
19.00	357.99	19.00	652.45	19.00	939.36	19.00	1269.06
19.50	355.42	19.50	652.40	19.50	936.79	19.50	1263.97
20.00	355.37	20.00	649.83	20.00	934.22	20.00	1261.40
20.50	352.80	20.50	647.26	20.50	929.14	20.50	1256.32
21.00	352.75	21.00	644.70	21.00	926.57	21.00	1248.72
21.50	350.18	21.50	642.13	21.50	921.49	21.50	1243.63
22.00	347.61	22.00	637.04	22.00	918.92	22.00	1238.55
22.50	347.57	22.50	634.48	22.50	913.84	22.50	1233.47
23.00	345.00	23.00	631.91	23.00	908.75	23.00	1228.38
23.50	344.95	23.50	629.34	23.50	906.19	23.50	1223.30
24.00	342.38	24.00	626.77	24.00	903.62	24.00	1218.21
24.50	339.81	24.50	624.21	24.50	898.53	24.50	1213.13
25.00	339.77	25.00	621.64	25.00	895.97	25.00	1208.05

The data of Figure 4 (Fine content =50%)

Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	136.84	0.50	278.95	0.50	452.63	0.50	647.37

1.00	197.37	1.00	415.79	1.00	657.89	1.00	915.79
1.50	236.84	1.50	494.74	1.50	784.21	1.50	1073.68
2.00	252.63	2.00	526.32	2.00	831.58	2.00	1134.21
2.50	263.16	2.50	547.37	2.50	868.42	2.50	1184.21
3.00	271.05	3.00	563.16	3.00	892.11	3.00	1218.42
3.50	276.32	3.50	576.32	3.50	913.16	3.50	1242.11
4.00	278.95	4.00	581.58	4.00	921.05	4.00	1252.63
4.50	281.58	4.50	586.84	4.50	928.95	4.50	1263.16
5.00	281.58	5.00	589.47	5.00	934.21	5.00	1271.05
5.50	281.58	5.50	592.11	5.50	936.84	5.50	1273.68
6.00	284.21	6.00	592.11	6.00	936.84	6.00	1276.32
6.50	284.21	6.50	594.74	6.50	939.47	6.50	1278.95
7.00	284.21	7.00	594.74	7.00	939.47	7.00	1278.95
7.50	284.21	7.50	594.74	7.50	939.47	7.50	1278.95
8.00	284.21	8.00	594.74	8.00	939.47	8.00	1278.95
8.50	284.21	8.50	594.74	8.50	942.11	8.50	1281.58
9.00	284.21	9.00	594.74	9.00	942.11	9.00	1281.58
9.50	284.21	9.50	594.74	9.50	942.11	9.50	1281.58
10.00	281.58	10.00	592.11	10.00	936.84	10.00	1276.32
10.50	281.58	10.50	589.47	10.50	934.21	10.50	1271.05
11.00	281.58	11.00	586.84	11.00	928.95	11.00	1265.79
11.50	278.95	11.50	584.21	11.50	926.32	11.50	1260.53
12.00	278.95	12.00	584.21	12.00	923.68	12.00	1255.26
12.50	276.32	12.50	581.58	12.50	918.42	12.50	1252.63
13.00	276.32	13.00	578.95	13.00	915.79	13.00	1247.37
13.50	276.32	13.50	576.32	13.50	910.53	13.50	1239.47
14.00	273.68	14.00	573.68	14.00	905.26	14.00	1234.21
14.50	273.68	14.50	568.42	14.50	902.63	14.50	1226.32
15.00	271.05	15.00	565.79	15.00	897.37	15.00	1221.05
15.50	271.05	15.50	563.16	15.50	892.11	15.50	1215.79
16.00	268.42	16.00	560.53	16.00	889.47	16.00	1207.89
16.50	268.42	16.50	557.89	16.50	884.21	16.50	1202.63
17.00	265.79	17.00	555.26	17.00	881.58	17.00	1197.37
17.50	265.79	17.50	552.63	17.50	878.95	17.50	1192.11
18.00	263.16	18.00	550.00	18.00	873.68	18.00	1186.84
18.50	263.16	18.50	547.37	18.50	871.05	18.50	1181.58
19.00	260.53	19.00	547.37	19.00	865.79	19.00	1176.32
19.50	260.53	19.50	544.74	19.50	863.16	19.50	1171.05
20.00	260.53	20.00	542.11	20.00	860.53	20.00	1165.79
20.50	257.89	20.50	539.47	20.50	855.26	20.50	1160.53
21.00	257.89	21.00	539.47	21.00	852.63	21.00	1157.89
21.50	257.89	21.50	536.84	21.50	850.00	21.50	1152.63
22.00	255.26	22.00	534.21	22.00	847.37	22.00	1150.00

22.50	255.26	22.50	531.58	22.50	844.74	22.50	1144.74
23.00	255.26	23.00	531.58	23.00	842.11	23.00	1142.11
23.50	255.26	23.50	528.95	23.50	836.84	23.50	1136.84
24.00	252.63	24.00	526.32	24.00	834.21	24.00	1134.21
24.50	252.63	24.50	526.32	24.50	831.58	24.50	1128.95
25.00	252.63	25.00	523.68	25.00	828.95	25.00	1126.32

The data of Figure 4 (Fine content =40%)

Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)	Strain (%)	Deviatoric stress (kPa)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	89.26	0.50	277.18	0.50	342.95	0.50	554.36
1.00	126.85	1.00	392.28	1.00	505.03	1.00	805.70
1.50	150.34	1.50	465.10	1.50	620.13	1.50	981.88
2.00	162.08	2.00	495.64	2.00	662.42	2.00	1042.95
2.50	169.13	2.50	523.83	2.50	697.65	2.50	1101.68
3.00	173.83	3.00	537.92	3.00	721.14	3.00	1134.56
3.50	178.52	3.50	549.66	3.50	737.58	3.50	1162.75
4.00	180.87	4.00	559.06	4.00	751.68	4.00	1181.54
4.50	183.22	4.50	566.11	4.50	761.07	4.50	1197.99
5.00	185.57	5.00	573.15	5.00	770.47	5.00	1212.08
5.50	187.92	5.50	577.85	5.50	777.52	5.50	1221.48
6.00	190.27	6.00	580.20	6.00	784.56	6.00	1230.87
6.50	190.27	6.50	582.55	6.50	786.91	6.50	1235.57
7.00	190.27	7.00	584.90	7.00	789.26	7.00	1237.92
7.50	190.27	7.50	584.90	7.50	789.26	7.50	1240.27
8.00	190.27	8.00	584.90	8.00	789.26	8.00	1237.92
8.50	190.27	8.50	582.55	8.50	786.91	8.50	1237.92
9.00	190.27	9.00	582.55	9.00	786.91	9.00	1235.57
9.50	190.27	9.50	582.55	9.50	786.91	9.50	1235.57
10.00	190.27	10.00	582.55	10.00	786.91	10.00	1235.57
10.50	190.27	10.50	582.55	10.50	784.56	10.50	1233.22
11.00	190.27	11.00	580.20	11.00	784.56	11.00	1233.22
11.50	190.27	11.50	580.20	11.50	782.21	11.50	1230.87
12.00	190.27	12.00	580.20	12.00	782.21	12.00	1230.87
12.50	190.27	12.50	580.20	12.50	782.21	12.50	1230.87
13.00	187.92	13.00	577.85	13.00	782.21	13.00	1228.52
13.50	187.92	13.50	577.85	13.50	779.87	13.50	1226.17
14.00	187.92	14.00	577.85	14.00	777.52	14.00	1223.83
14.50	185.57	14.50	573.15	14.50	775.17	14.50	1219.13
15.00	185.57	15.00	570.81	15.00	770.47	15.00	1212.08
15.50	185.57	15.50	568.46	15.50	768.12	15.50	1207.38
16.00	183.22	16.00	566.11	16.00	763.42	16.00	1200.34

16.50	183.22	16.50	563.76	16.50	761.07	16.50	1195.64
17.00	183.22	17.00	561.41	17.00	756.38	17.00	1188.59
17.50	180.87	17.50	559.06	17.50	754.03	17.50	1183.89
18.00	180.87	18.00	556.71	18.00	749.33	18.00	1176.85
18.50	180.87	18.50	554.36	18.50	746.98	18.50	1172.15
19.00	178.52	19.00	552.01	19.00	742.28	19.00	1165.10
19.50	178.52	19.50	549.66	19.50	739.93	19.50	1160.40
20.00	178.52	20.00	544.97	20.00	735.23	20.00	1155.70
20.50	176.17	20.50	542.62	20.50	730.54	20.50	1148.66
21.00	176.17	21.00	540.27	21.00	728.19	21.00	1141.61
21.50	176.17	21.50	537.92	21.50	723.49	21.50	1136.91
22.00	173.83	22.00	533.22	22.00	718.79	22.00	1129.87
22.50	173.83	22.50	530.87	22.50	716.44	22.50	1125.17
23.00	171.48	23.00	528.52	23.00	711.74	23.00	1118.12
23.50	171.48	23.50	526.17	23.50	707.05	23.50	1113.42
24.00	171.48	24.00	523.83	24.00	702.35	24.00	1106.38
24.50	169.13	24.50	519.13	24.50	700.00	24.50	1101.68
25.00	169.13	25.00	516.78	25.00	695.30	25.00	1094.63

The data of Figure 5 (Fine content =100%)

Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)
100kPa		200kPa		300kPa		400kPa	
0.00	-0.01	0.00	-0.01	0.00	-0.01	0.00	-0.01
0.50	-0.02	0.50	-0.02	0.50	-0.05	0.50	-0.06
1.00	-0.07	1.00	-0.11	1.00	-0.14	1.00	-0.16
1.50	-0.17	1.50	-0.24	1.50	-0.30	1.50	-0.34
2.00	-0.24	2.00	-0.35	2.00	-0.45	2.00	-0.53
2.50	-0.30	2.50	-0.42	2.50	-0.52	2.50	-0.65
3.00	-0.34	3.00	-0.47	3.00	-0.58	3.00	-0.73
3.50	-0.36	3.50	-0.52	3.50	-0.63	3.50	-0.79
4.00	-0.37	4.00	-0.55	4.00	-0.66	4.00	-0.82
4.50	-0.38	4.50	-0.55	4.50	-0.68	4.50	-0.85
5.00	-0.38	5.00	-0.55	5.00	-0.68	5.00	-0.86
5.50	-0.37	5.50	-0.53	5.50	-0.66	5.50	-0.85
6.00	-0.35	6.00	-0.51	6.00	-0.63	6.00	-0.82
6.50	-0.32	6.50	-0.48	6.50	-0.59	6.50	-0.77
7.00	-0.27	7.00	-0.43	7.00	-0.56	7.00	-0.73
7.50	-0.22	7.50	-0.39	7.50	-0.51	7.50	-0.67
8.00	-0.14	8.00	-0.34	8.00	-0.46	8.00	-0.60
8.50	-0.07	8.50	-0.28	8.50	-0.39	8.50	-0.52
9.00	0.01	9.00	-0.21	9.00	-0.32	9.00	-0.44
9.50	0.07	9.50	-0.15	9.50	-0.24	9.50	-0.36
10.00	0.13	10.00	-0.10	10.00	-0.17	10.00	-0.28

10.50	0.19	10.50	-0.02	10.50	-0.09	10.50	-0.19
11.00	0.24	11.00	0.06	11.00	-0.01	11.00	-0.11
11.50	0.31	11.50	0.15	11.50	0.05	11.50	-0.03
12.00	0.36	12.00	0.22	12.00	0.12	12.00	0.04
12.50	0.42	12.50	0.30	12.50	0.20	12.50	0.09
13.00	0.48	13.00	0.37	13.00	0.26	13.00	0.15
13.50	0.54	13.50	0.45	13.50	0.33	13.50	0.19
14.00	0.61	14.00	0.52	14.00	0.39	14.00	0.24
14.50	0.68	14.50	0.58	14.50	0.45	14.50	0.29
15.00	0.75	15.00	0.65	15.00	0.52	15.00	0.34
15.50	0.82	15.50	0.72	15.50	0.59	15.50	0.39
16.00	0.89	16.00	0.77	16.00	0.65	16.00	0.43
16.50	0.96	16.50	0.84	16.50	0.72	16.50	0.47
17.00	1.03	17.00	0.90	17.00	0.77	17.00	0.51
17.50	1.11	17.50	0.96	17.50	0.82	17.50	0.55
18.00	1.17	18.00	1.02	18.00	0.88	18.00	0.59
18.50	1.24	18.50	1.07	18.50	0.93	18.50	0.63
19.00	1.31	19.00	1.13	19.00	0.98	19.00	0.68
19.50	1.37	19.50	1.17	19.50	1.03	19.50	0.70
20.00	1.42	20.00	1.20	20.00	1.07	20.00	0.72
20.50	1.45	20.50	1.24	20.50	1.10	20.50	0.74
21.00	1.49	21.00	1.26	21.00	1.12	21.00	0.75
21.50	1.52	21.50	1.29	21.50	1.14	21.50	0.77
22.00	1.55	22.00	1.31	22.00	1.16	22.00	0.78
22.50	1.57	22.50	1.32	22.50	1.18	22.50	0.78
23.00	1.58	23.00	1.34	23.00	1.19	23.00	0.79
23.50	1.60	23.50	1.36	23.50	1.20	23.50	0.80
24.00	1.62	24.00	1.37	24.00	1.21	24.00	0.80
24.50	1.63	24.50	1.39	24.50	1.22	24.50	0.80
25.00	1.65	25.00	1.41	25.00	1.23	25.00	0.81

The data of Figure 5 (Fine content =83.33%)

Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	-0.04	0.50	-0.06	0.50	-0.12	0.50	-0.13
1.00	-0.10	1.00	-0.18	1.00	-0.25	1.00	-0.27
1.50	-0.22	1.50	-0.34	1.50	-0.41	1.50	-0.50
2.00	-0.32	2.00	-0.46	2.00	-0.53	2.00	-0.70
2.50	-0.38	2.50	-0.54	2.50	-0.64	2.50	-0.81
3.00	-0.43	3.00	-0.60	3.00	-0.73	3.00	-0.90
3.50	-0.47	3.50	-0.65	3.50	-0.79	3.50	-0.98
4.00	-0.48	4.00	-0.69	4.00	-0.84	4.00	-1.03

4.50	-0.48	4.50	-0.68	4.50	-0.85	4.50	-1.06
5.00	-0.48	5.00	-0.67	5.00	-0.85	5.00	-1.06
5.50	-0.48	5.50	-0.65	5.50	-0.83	5.50	-1.04
6.00	-0.46	6.00	-0.62	6.00	-0.81	6.00	-1.00
6.50	-0.41	6.50	-0.58	6.50	-0.77	6.50	-0.94
7.00	-0.36	7.00	-0.53	7.00	-0.72	7.00	-0.88
7.50	-0.27	7.50	-0.48	7.50	-0.66	7.50	-0.79
8.00	-0.18	8.00	-0.41	8.00	-0.59	8.00	-0.71
8.50	-0.09	8.50	-0.33	8.50	-0.52	8.50	-0.63
9.00	0.00	9.00	-0.26	9.00	-0.43	9.00	-0.53
9.50	0.08	9.50	-0.16	9.50	-0.34	9.50	-0.44
10.00	0.15	10.00	-0.08	10.00	-0.24	10.00	-0.35
10.50	0.21	10.50	0.01	10.50	-0.13	10.50	-0.25
11.00	0.29	11.00	0.10	11.00	-0.04	11.00	-0.16
11.50	0.36	11.50	0.18	11.50	0.06	11.50	-0.06
12.00	0.43	12.00	0.27	12.00	0.15	12.00	0.02
12.50	0.51	12.50	0.37	12.50	0.24	12.50	0.11
13.00	0.58	13.00	0.46	13.00	0.33	13.00	0.20
13.50	0.65	13.50	0.55	13.50	0.42	13.50	0.27
14.00	0.74	14.00	0.64	14.00	0.50	14.00	0.33
14.50	0.82	14.50	0.73	14.50	0.58	14.50	0.40
15.00	0.91	15.00	0.82	15.00	0.67	15.00	0.47
15.50	1.00	15.50	0.90	15.50	0.73	15.50	0.53
16.00	1.09	16.00	0.98	16.00	0.82	16.00	0.57
16.50	1.18	16.50	1.06	16.50	0.89	16.50	0.63
17.00	1.28	17.00	1.13	17.00	0.96	17.00	0.67
17.50	1.37	17.50	1.20	17.50	1.04	17.50	0.73
18.00	1.45	18.00	1.28	18.00	1.10	18.00	0.78
18.50	1.54	18.50	1.35	18.50	1.16	18.50	0.84
19.00	1.63	19.00	1.41	19.00	1.23	19.00	0.89
19.50	1.70	19.50	1.47	19.50	1.29	19.50	0.92
20.00	1.76	20.00	1.52	20.00	1.35	20.00	0.96
20.50	1.80	20.50	1.57	20.50	1.39	20.50	1.00
21.00	1.82	21.00	1.60	21.00	1.42	21.00	1.04
21.50	1.85	21.50	1.63	21.50	1.45	21.50	1.06
22.00	1.86	22.00	1.65	22.00	1.47	22.00	1.09
22.50	1.88	22.50	1.67	22.50	1.47	22.50	1.12
23.00	1.90	23.00	1.69	23.00	1.48	23.00	1.16
23.50	1.91	23.50	1.71	23.50	1.49	23.50	1.18
24.00	1.93	24.00	1.72	24.00	1.51	24.00	1.21
24.50	1.94	24.50	1.73	24.50	1.52	24.50	1.24
25.00	1.95	25.00	1.74	25.00	1.53	25.00	1.26

The data of Figure 5 (Fine content =71.43%)

Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	0.00	0.50	-0.09	0.50	-0.06	0.50	-0.02
1.00	-0.05	1.00	-0.06	1.00	-0.11	1.00	-0.21
1.50	-0.11	1.50	-0.26	1.50	-0.33	1.50	-0.46
2.00	-0.23	2.00	-0.40	2.00	-0.49	2.00	-0.67
2.50	-0.31	2.50	-0.50	2.50	-0.61	2.50	-0.82
3.00	-0.36	3.00	-0.59	3.00	-0.73	3.00	-0.94
3.50	-0.40	3.50	-0.65	3.50	-0.80	3.50	-1.04
4.00	-0.42	4.00	-0.70	4.00	-0.85	4.00	-1.12
4.50	-0.42	4.50	-0.70	4.50	-0.86	4.50	-1.14
5.00	-0.41	5.00	-0.68	5.00	-0.86	5.00	-1.13
5.50	-0.40	5.50	-0.65	5.50	-0.84	5.50	-1.10
6.00	-0.37	6.00	-0.62	6.00	-0.81	6.00	-1.07
6.50	-0.31	6.50	-0.56	6.50	-0.78	6.50	-0.99
7.00	-0.24	7.00	-0.50	7.00	-0.71	7.00	-0.91
7.50	-0.13	7.50	-0.44	7.50	-0.65	7.50	-0.83
8.00	-0.02	8.00	-0.35	8.00	-0.58	8.00	-0.73
8.50	0.10	8.50	-0.25	8.50	-0.48	8.50	-0.64
9.00	0.20	9.00	-0.16	9.00	-0.38	9.00	-0.54
9.50	0.29	9.50	-0.06	9.50	-0.26	9.50	-0.42
10.00	0.37	10.00	0.04	10.00	-0.14	10.00	-0.31
10.50	0.47	10.50	0.15	10.50	-0.01	10.50	-0.19
11.00	0.57	11.00	0.26	11.00	0.10	11.00	-0.06
11.50	0.66	11.50	0.37	11.50	0.22	11.50	0.05
12.00	0.74	12.00	0.47	12.00	0.35	12.00	0.14
12.50	0.84	12.50	0.58	12.50	0.45	12.50	0.25
13.00	0.93	13.00	0.69	13.00	0.55	13.00	0.36
13.50	1.03	13.50	0.79	13.50	0.66	13.50	0.44
14.00	1.13	14.00	0.89	14.00	0.75	14.00	0.52
14.50	1.22	14.50	1.01	14.50	0.85	14.50	0.61
15.00	1.32	15.00	1.11	15.00	0.95	15.00	0.69
15.50	1.43	15.50	1.22	15.50	1.05	15.50	0.76
16.00	1.53	16.00	1.31	16.00	1.14	16.00	0.83
16.50	1.64	16.50	1.41	16.50	1.22	16.50	0.90
17.00	1.75	17.00	1.50	17.00	1.31	17.00	0.96
17.50	1.86	17.50	1.59	17.50	1.40	17.50	1.03
18.00	1.97	18.00	1.66	18.00	1.48	18.00	1.08
18.50	2.08	18.50	1.74	18.50	1.57	18.50	1.12
19.00	2.18	19.00	1.81	19.00	1.64	19.00	1.17

19.50	2.25	19.50	1.88	19.50	1.71	19.50	1.22
20.00	2.34	20.00	1.96	20.00	1.76	20.00	1.27
20.50	2.39	20.50	2.00	20.50	1.81	20.50	1.31
21.00	2.44	21.00	2.04	21.00	1.86	21.00	1.36
21.50	2.48	21.50	2.07	21.50	1.88	21.50	1.40
22.00	2.51	22.00	2.10	22.00	1.91	22.00	1.43
22.50	2.55	22.50	2.12	22.50	1.92	22.50	1.46
23.00	2.57	23.00	2.15	23.00	1.94	23.00	1.50
23.50	2.59	23.50	2.18	23.50	1.96	23.50	1.54
24.00	2.61	24.00	2.19	24.00	1.98	24.00	1.57
24.50	2.64	24.50	2.22	24.50	2.00	24.50	1.59
25.00	2.65	25.00	2.23	25.00	2.02	25.00	1.63

The data of Figure 5 (Fine content =50%)

Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	-0.38	0.50	-0.44	0.50	-0.49	0.50	-0.57
1.00	-0.48	1.00	-0.62	1.00	-0.67	1.00	-0.89
1.50	-0.68	1.50	-0.86	1.50	-0.97	1.50	-1.18
2.00	-0.86	2.00	-1.06	2.00	-1.21	2.00	-1.48
2.50	-0.95	2.50	-1.21	2.50	-1.37	2.50	-1.68
3.00	-1.01	3.00	-1.31	3.00	-1.52	3.00	-1.82
3.50	-1.06	3.50	-1.41	3.50	-1.61	3.50	-1.93
4.00	-1.09	4.00	-1.46	4.00	-1.68	4.00	-2.03
4.50	-1.10	4.50	-1.46	4.50	-1.69	4.50	-2.08
5.00	-1.09	5.00	-1.43	5.00	-1.71	5.00	-2.10
5.50	-1.07	5.50	-1.38	5.50	-1.70	5.50	-2.06
6.00	-1.02	6.00	-1.33	6.00	-1.66	6.00	-2.01
6.50	-0.96	6.50	-1.26	6.50	-1.59	6.50	-1.93
7.00	-0.86	7.00	-1.20	7.00	-1.50	7.00	-1.84
7.50	-0.73	7.50	-1.11	7.50	-1.42	7.50	-1.73
8.00	-0.60	8.00	-1.01	8.00	-1.31	8.00	-1.59
8.50	-0.45	8.50	-0.89	8.50	-1.18	8.50	-1.44
9.00	-0.31	9.00	-0.77	9.00	-1.02	9.00	-1.30
9.50	-0.18	9.50	-0.61	9.50	-0.86	9.50	-1.15
10.00	-0.05	10.00	-0.48	10.00	-0.73	10.00	-1.02
10.50	0.10	10.50	-0.32	10.50	-0.57	10.50	-0.87
11.00	0.22	11.00	-0.16	11.00	-0.42	11.00	-0.72
11.50	0.36	11.50	-0.02	11.50	-0.23	11.50	-0.55
12.00	0.48	12.00	0.14	12.00	-0.11	12.00	-0.41
12.50	0.61	12.50	0.28	12.50	0.05	12.50	-0.28
13.00	0.73	13.00	0.44	13.00	0.20	13.00	-0.16

13.50	0.86	13.50	0.59	13.50	0.32	13.50	-0.02
14.00	0.97	14.00	0.71	14.00	0.45	14.00	0.09
14.50	1.11	14.50	0.87	14.50	0.59	14.50	0.21
15.00	1.25	15.00	1.01	15.00	0.73	15.00	0.33
15.50	1.40	15.50	1.14	15.50	0.87	15.50	0.43
16.00	1.53	16.00	1.28	16.00	0.98	16.00	0.50
16.50	1.68	16.50	1.38	16.50	1.10	16.50	0.60
17.00	1.81	17.00	1.52	17.00	1.22	17.00	0.68
17.50	1.95	17.50	1.64	17.50	1.32	17.50	0.78
18.00	2.11	18.00	1.76	18.00	1.44	18.00	0.85
18.50	2.27	18.50	1.89	18.50	1.56	18.50	0.91
19.00	2.41	19.00	2.01	19.00	1.67	19.00	0.98
19.50	2.56	19.50	2.11	19.50	1.78	19.50	1.05
20.00	2.64	20.00	2.22	20.00	1.86	20.00	1.13
20.50	2.72	20.50	2.30	20.50	1.93	20.50	1.19
21.00	2.77	21.00	2.37	21.00	2.00	21.00	1.24
21.50	2.84	21.50	2.39	21.50	2.03	21.50	1.30
22.00	2.87	22.00	2.44	22.00	2.07	22.00	1.35
22.50	2.89	22.50	2.46	22.50	2.10	22.50	1.40
23.00	2.93	23.00	2.48	23.00	2.12	23.00	1.46
23.50	2.95	23.50	2.50	23.50	2.13	23.50	1.49
24.00	2.97	24.00	2.52	24.00	2.14	24.00	1.55
24.50	3.00	24.50	2.54	24.50	2.15	24.50	1.60
25.00	3.02	25.00	2.56	25.00	2.16	25.00	1.65

The data of Figure 5 (Fine content =40%)

Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)	Volumetric strain (%)	Axial strain (%)
100kPa		200kPa		300kPa		400kPa	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.50	-0.64	0.50	-0.67	0.50	-0.71	0.50	-0.78
1.00	-0.77	1.00	-0.86	1.00	-0.93	1.00	-1.12
1.50	-0.97	1.50	-1.17	1.50	-1.25	1.50	-1.45
2.00	-1.11	2.00	-1.40	2.00	-1.54	2.00	-1.76
2.50	-1.21	2.50	-1.52	2.50	-1.70	2.50	-2.04
3.00	-1.31	3.00	-1.64	3.00	-1.85	3.00	-2.20
3.50	-1.38	3.50	-1.74	3.50	-1.96	3.50	-2.32
4.00	-1.43	4.00	-1.80	4.00	-2.05	4.00	-2.42
4.50	-1.42	4.50	-1.81	4.50	-2.09	4.50	-2.49
5.00	-1.42	5.00	-1.76	5.00	-2.10	5.00	-2.51
5.50	-1.41	5.50	-1.72	5.50	-2.09	5.50	-2.48
6.00	-1.33	6.00	-1.67	6.00	-2.04	6.00	-2.43
6.50	-1.26	6.50	-1.57	6.50	-1.96	6.50	-2.33
7.00	-1.13	7.00	-1.48	7.00	-1.89	7.00	-2.24

7.50	-1.03	7.50	-1.40	7.50	-1.79	7.50	-2.13
8.00	-0.88	8.00	-1.27	8.00	-1.66	8.00	-1.97
8.50	-0.73	8.50	-1.17	8.50	-1.55	8.50	-1.85
9.00	-0.56	9.00	-1.03	9.00	-1.41	9.00	-1.68
9.50	-0.42	9.50	-0.84	9.50	-1.23	9.50	-1.56
10.00	-0.30	10.00	-0.69	10.00	-1.08	10.00	-1.39
10.50	-0.13	10.50	-0.49	10.50	-0.90	10.50	-1.27
11.00	-0.01	11.00	-0.35	11.00	-0.71	11.00	-1.10
11.50	0.12	11.50	-0.17	11.50	-0.54	11.50	-0.95
12.00	0.22	12.00	-0.03	12.00	-0.36	12.00	-0.83
12.50	0.36	12.50	0.11	12.50	-0.20	12.50	-0.67
13.00	0.49	13.00	0.25	13.00	-0.02	13.00	-0.55
13.50	0.65	13.50	0.42	13.50	0.13	13.50	-0.43
14.00	0.81	14.00	0.59	14.00	0.28	14.00	-0.32
14.50	0.97	14.50	0.74	14.50	0.42	14.50	-0.21
15.00	1.15	15.00	0.90	15.00	0.54	15.00	-0.08
15.50	1.32	15.50	1.08	15.50	0.70	15.50	0.07
16.00	1.45	16.00	1.22	16.00	0.84	16.00	0.18
16.50	1.62	16.50	1.38	16.50	0.98	16.50	0.31
17.00	1.77	17.00	1.53	17.00	1.14	17.00	0.42
17.50	1.95	17.50	1.69	17.50	1.31	17.50	0.55
18.00	2.11	18.00	1.82	18.00	1.45	18.00	0.65
18.50	2.28	18.50	1.98	18.50	1.57	18.50	0.74
19.00	2.44	19.00	2.08	19.00	1.69	19.00	0.87
19.50	2.57	19.50	2.18	19.50	1.77	19.50	0.96
20.00	2.71	20.00	2.27	20.00	1.86	20.00	1.07
20.50	2.83	20.50	2.34	20.50	1.95	20.50	1.14
21.00	2.88	21.00	2.42	21.00	2.05	21.00	1.23
21.50	2.95	21.50	2.49	21.50	2.12	21.50	1.30
22.00	3.01	22.00	2.57	22.00	2.17	22.00	1.39
22.50	3.06	22.50	2.61	22.50	2.20	22.50	1.46
23.00	3.10	23.00	2.66	23.00	2.26	23.00	1.55
23.50	3.15	23.50	2.68	23.50	2.28	23.50	1.57
24.00	3.21	24.00	2.71	24.00	2.32	24.00	1.64
24.50	3.28	24.50	2.76	24.50	2.36	24.50	1.69
25.00	3.32	25.00	2.79	25.00	2.40	25.00	1.75

The data of Figure 6

Cofining pressure (kPa)	-S (%)	Cofining pressure (kPa)	-S (%)	Cofining pressure (kPa)	-S (%)	Cofining pressure (kPa)	-S (%)	Cofining pressure (kPa)	-S (%)
Fc=100%		Fc=83.33%		Fc=71.43%		Fc=50%		Fc=40%	
100	0.85859	100	1.06376	100	1.14141	100	2.09512	100	2.50587
200	0.68182	200	0.84899	200	0.85522	200	1.71212	200	2.10254
300	0.55051	300	0.68121	300	0.69529	300	1.46044	300	1.81285
400	0.37879	400	0.47987	400	0.41751	400	1.09933	400	1.43497

The data of Figure 7

Fine content (%)	a value	b value
40.00	-0.0016	1.01
50.00	-0.0019	1.25
71.43	-0.0023	1.76
83.33	-0.0031	2.40
100.00	-0.0035	2.84

The data of figures 8-9

Fine content (%)	Peak deviator stress (kPa)	Fine content (%)	Peak deviator stress (kPa)	Fine content (%)	Peak deviator stress (kPa)	Fine content (%)	Peak deviator stress (kPa)
100kPa		200kPa		300kPa		400kPa	
100	279.83	100	602.52	100	955.46	100	1293.28
83.33	297.62	83.33	651.78571	83.33	994.05	83.33	1330.36
71.43	379.38	71.43	693.82	71.43	998.35	71.43	1345.62
50	284.21	50	594.74	50	939.47	50	1281.59
40	190.27	40	584.90	40	789.262	40	1240.27

The data of figure 11

Fine content (%)	Internal friction angle(°)	Cohesion (kPa)
100.00	38.05	48.86
83.33	38.42	63.79
71.43	39.17	97.73
50.00	38.99	52.82
40.00	38.64	25.68

The data of Figure 12 (Fc=100%)

Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)
100kPa		200kPa		300kPa		400kPa		100kPa		200kPa		300kPa		400kPa	
Calculated value								Test value							
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	19.47	0.10	41.59	0.10	70.83	0.10	88.22	0.50	105.88	0.50	221.85	0.50	380.67	0.50	456.30
0.20	41.01	0.20	87.44	0.20	148.35	0.20	185.86	1.00	178.99	1.00	380.67	1.00	627.73	1.00	831.93
0.30	62.64	0.30	133.40	0.30	225.29	0.30	284.05	1.50	229.41	1.50	489.08	1.50	784.03	1.50	1051.26
0.40	83.48	0.40	177.67	0.40	298.65	0.40	378.91	2.00	247.06	2.00	531.93	2.00	847.06	2.00	1144.54
0.50	103.08	0.50	219.30	0.50	366.93	0.50	468.36	2.50	259.66	2.50	557.14	2.50	889.92	2.50	1202.52
0.60	121.21	0.60	257.83	0.60	429.50	0.60	551.33	3.00	264.71	3.00	569.75	3.00	907.56	3.00	1225.21
0.70	137.79	0.70	293.09	0.70	486.22	0.70	627.42	3.50	269.75	3.50	579.83	3.50	922.69	3.50	1247.90
0.80	152.83	0.80	325.12	0.80	537.28	0.80	696.65	4.00	272.27	4.00	584.87	4.00	932.77	4.00	1263.03
0.90	166.39	0.90	354.05	0.90	583.00	0.90	759.26	4.50	277.31	4.50	592.44	4.50	942.86	4.50	1278.15
1.00	178.57	1.00	380.08	1.00	623.83	1.00	815.66	5.00	277.31	5.00	597.48	5.00	947.90	5.00	1283.19
1.10	189.49	1.10	403.45	1.10	660.21	1.10	866.34	5.50	279.83	5.50	597.48	5.50	952.94	5.50	1288.24
1.20	199.25	1.20	424.39	1.20	692.59	1.20	911.78	6.00	279.83	6.00	600.00	6.00	952.94	6.00	1290.76
1.30	207.98	1.30	443.14	1.30	721.40	1.30	952.49	6.50	279.83	6.50	602.52	6.50	955.46	6.50	1293.28
1.40	215.77	1.40	459.92	1.40	747.03	1.40	988.94	7.00	279.83	7.00	600.00	7.00	955.46	7.00	1293.28
1.50	222.72	1.50	474.93	1.50	769.85	1.50	1021.56	7.50	279.83	7.50	600.00	7.50	955.46	7.50	1293.28
1.60	228.94	1.60	488.37	1.60	790.16	1.60	1050.77	8.00	279.83	8.00	600.00	8.00	952.94	8.00	1290.76
1.70	234.49	1.70	500.40	1.70	808.26	1.70	1076.92	8.50	277.31	8.50	597.48	8.50	950.42	8.50	1288.24
1.80	239.45	1.80	511.18	1.80	824.41	1.80	1100.35	9.00	277.31	9.00	597.48	9.00	947.90	9.00	1285.71
1.90	243.89	1.90	520.85	1.90	838.82	1.90	1121.35	9.50	277.31	9.50	597.48	9.50	947.90	9.50	1283.19

2.00	247.86	2.00	529.52	2.00	851.69	2.00	1140.18	10.00	274.79	10.00	594.96	10.00	945.38	10.00	1278.15
2.10	251.42	2.10	537.30	2.10	863.19	2.10	1157.08	10.50	274.79	10.50	594.96	10.50	942.86	10.50	1275.63
2.20	254.60	2.20	544.29	2.20	873.49	2.20	1172.25	11.00	274.79	11.00	592.44	11.00	940.34	11.00	1270.59
2.30	257.46	2.30	550.57	2.30	882.70	2.30	1185.88	11.50	272.27	11.50	589.92	11.50	937.82	11.50	1268.07
2.40	260.01	2.40	556.21	2.40	890.95	2.40	1198.12	12.00	272.27	12.00	589.92	12.00	935.29	12.00	1265.55
2.50	262.31	2.50	561.29	2.50	898.35	2.50	1209.12	12.50	272.27	12.50	587.39	12.50	930.25	12.50	1260.50
2.60	264.37	2.60	565.86	2.60	904.98	2.60	1219.01	13.00	269.75	13.00	584.87	13.00	927.73	13.00	1257.98
2.70	266.21	2.70	569.97	2.70	910.92	2.70	1227.91	13.50	269.75	13.50	584.87	13.50	925.21	13.50	1252.94
2.80	267.87	2.80	573.67	2.80	916.25	2.80	1235.91	14.00	269.75	14.00	582.35	14.00	922.69	14.00	1250.42
2.90	269.35	2.90	577.00	2.90	921.02	2.90	1243.10	14.50	267.23	14.50	579.83	14.50	920.17	14.50	1245.38
3.00	270.69	3.00	580.00	3.00	925.30	3.00	1249.56	15.00	267.23	15.00	577.31	15.00	915.13	15.00	1242.86
3.10	271.88	3.10	582.69	3.10	929.14	3.10	1255.37	15.50	267.23	15.50	577.31	15.50	912.61	15.50	1237.82
3.20	272.94	3.20	585.11	3.20	932.57	3.20	1260.58	16.00	264.71	16.00	574.79	16.00	910.08	16.00	1232.77
3.30	273.90	3.30	587.29	3.30	935.63	3.30	1265.25	16.50	264.71	16.50	572.27	16.50	905.04	16.50	1227.73
3.40	274.75	3.40	589.24	3.40	938.37	3.40	1269.44	17.00	264.71	17.00	569.75	17.00	902.52	17.00	1222.69
3.50	275.51	3.50	590.99	3.50	940.81	3.50	1273.19	17.50	262.18	17.50	567.23	17.50	897.48	17.50	1217.65
3.60	276.18	3.60	592.55	3.60	942.99	3.60	1276.53	18.00	262.18	18.00	564.71	18.00	894.96	18.00	1212.61
3.70	276.78	3.70	593.95	3.70	944.91	3.70	1279.51	18.50	259.66	18.50	562.18	18.50	892.44	18.50	1210.08
3.80	277.31	3.80	595.20	3.80	946.62	3.80	1282.16	19.00	259.66	19.00	562.18	19.00	892.44	19.00	1207.56
3.90	277.77	3.90	596.30	3.90	948.12	3.90	1284.51	19.50	259.66	19.50	559.66	19.50	887.39	19.50	1202.52
4.00	278.18	4.00	597.28	4.00	949.44	4.00	1286.59	20.00	257.14	20.00	557.14	20.00	884.87	20.00	1197.48
4.10	278.54	4.10	598.15	4.10	950.60	4.10	1288.41	20.50	257.14	20.50	554.62	20.50	879.83	20.50	1192.44
4.20	278.85	4.20	598.91	4.20	951.60	4.20	1290.01	21.00	254.62	21.00	552.10	21.00	874.79	21.00	1184.87
4.30	279.11	4.30	599.57	4.30	952.46	4.30	1291.39	21.50	254.62	21.50	549.58	21.50	872.27	21.50	1179.83
4.40	279.34	4.40	600.14	4.40	953.19	4.40	1292.58	22.00	252.10	22.00	547.06	22.00	867.23	22.00	1174.79

4.50	279.53	4.50	600.64	4.50	953.81	4.50	1293.60	22.50	252.10	22.50	544.54	22.50	864.71	22.50	1169.75
4.60	279.68	4.60	601.06	4.60	954.32	4.60	1294.46	23.00	252.10	23.00	542.02	23.00	862.18	23.00	1167.23
4.70	279.81	4.70	601.41	4.70	954.74	4.70	1295.17	23.50	249.58	23.50	542.02	23.50	859.66	23.50	1164.71
4.80	279.91	4.80	601.70	4.80	955.06	4.80	1295.75	24.00	249.58	24.00	539.50	24.00	857.14	24.00	1159.66
4.90	279.98	4.90	601.93	4.90	955.31	4.90	1296.21	24.50	247.06	24.50	536.97	24.50	852.10	24.50	1154.62
5.00	280.03	5.00	602.12	5.00	955.48	5.00	1296.55	25.00	247.06	25.00	534.45	25.00	849.58	25.00	1149.58
5.10	280.06	5.10	602.25	5.10	955.58	5.10	1296.78								
5.20	280.07	5.20	602.34	5.20	955.62	5.20	1296.92								
5.30	280.06	5.30	602.38	5.30	955.60	5.30	1296.98								
5.40	280.03	5.40	602.39	5.40	955.53	5.40	1296.95								
5.50	279.99	5.50	602.37	5.50	955.41	5.50	1296.85								
5.60	279.93	5.60	602.31	5.60	955.25	5.60	1296.68								
5.70	279.87	5.70	602.23	5.70	955.04	5.70	1296.45								
5.80	279.79	5.80	602.12	5.80	954.80	5.80	1296.16								
5.90	279.70	5.90	601.98	5.90	954.52	5.90	1295.82								
6.00	279.60	6.00	601.82	6.00	954.22	6.00	1295.43								
6.10	279.49	6.10	601.64	6.10	953.88	6.10	1294.99								
6.20	279.37	6.20	601.44	6.20	953.52	6.20	1294.52								
6.30	279.24	6.30	601.23	6.30	953.13	6.30	1294.00								
6.40	279.11	6.40	600.99	6.40	952.72	6.40	1293.45								
6.50	278.98	6.50	600.75	6.50	952.29	6.50	1292.88								
6.60	278.83	6.60	600.49	6.60	951.84	6.60	1292.27								
6.70	278.68	6.70	600.21	6.70	951.38	6.70	1291.63								
6.80	278.53	6.80	599.93	6.80	950.90	6.80	1290.97								
6.90	278.37	6.90	599.63	6.90	950.40	6.90	1290.29								

7.00	278.21	7.00	599.33	7.00	949.89	7.00	1289.59								
7.10	278.04	7.10	599.01	7.10	949.37	7.10	1288.87								
7.20	277.88	7.20	598.69	7.20	948.84	7.20	1288.13								
7.30	277.70	7.30	598.36	7.30	948.30	7.30	1287.38								
7.40	277.53	7.40	598.02	7.40	947.76	7.40	1286.62								
7.50	277.35	7.50	597.68	7.50	947.20	7.50	1285.84								
7.60	277.17	7.60	597.34	7.60	946.64	7.60	1285.05								
7.70	276.99	7.70	596.98	7.70	946.07	7.70	1284.25								
7.80	276.81	7.80	596.63	7.80	945.50	7.80	1283.44								
7.90	276.63	7.90	596.27	7.90	944.92	7.90	1282.63								
8.00	276.44	8.00	595.90	8.00	944.34	8.00	1281.80								
8.10	276.26	8.10	595.53	8.10	943.75	8.10	1280.97								
8.20	276.07	8.20	595.16	8.20	943.16	8.20	1280.14								
8.30	275.88	8.30	594.79	8.30	942.57	8.30	1279.30								
8.40	275.69	8.40	594.42	8.40	941.97	8.40	1278.46								
8.50	275.51	8.50	594.04	8.50	941.38	8.50	1277.61								
8.60	275.32	8.60	593.66	8.60	940.78	8.60	1276.76								
8.70	275.13	8.70	593.29	8.70	940.18	8.70	1275.91								
8.80	274.94	8.80	592.91	8.80	939.58	8.80	1275.05								
8.90	274.75	8.90	592.53	8.90	938.98	8.90	1274.20								
9.00	274.56	9.00	592.14	9.00	938.38	9.00	1273.34								
9.10	274.37	9.10	591.76	9.10	937.78	9.10	1272.49								
9.20	274.18	9.20	591.38	9.20	937.18	9.20	1271.63								
9.30	273.99	9.30	591.00	9.30	936.58	9.30	1270.78								
9.40	273.80	9.40	590.62	9.40	935.98	9.40	1269.92								

9.50	273.61	9.50	590.24	9.50	935.39	9.50	1269.07								
9.60	273.42	9.60	589.86	9.60	934.79	9.60	1268.22								
9.70	273.24	9.70	589.48	9.70	934.20	9.70	1267.37								
9.80	273.05	9.80	589.10	9.80	933.60	9.80	1266.52								
9.90	272.86	9.90	588.72	9.90	933.01	9.90	1265.67								
10.00	272.68	10.00	588.34	10.00	932.42	10.00	1264.82								
10.10	272.49	10.10	587.96	10.10	931.83	10.10	1263.98								
10.20	272.31	10.20	587.58	10.20	931.25	10.20	1263.14								
10.30	272.12	10.30	587.21	10.30	930.66	10.30	1262.30								
10.40	271.94	10.40	586.84	10.40	930.08	10.40	1261.47								
10.50	271.76	10.50	586.46	10.50	929.50	10.50	1260.64								
10.60	271.58	10.60	586.09	10.60	928.93	10.60	1259.81								
10.70	271.39	10.70	585.72	10.70	928.35	10.70	1258.99								
10.80	271.21	10.80	585.35	10.80	927.78	10.80	1258.17								
10.90	271.04	10.90	584.99	10.90	927.21	10.90	1257.35								
11.00	270.86	11.00	584.62	11.00	926.65	11.00	1256.53								
11.10	270.68	11.10	584.26	11.10	926.08	11.10	1255.72								
11.20	270.50	11.20	583.90	11.20	925.52	11.20	1254.92								
11.30	270.33	11.30	583.54	11.30	924.96	11.30	1254.12								
11.40	270.15	11.40	583.18	11.40	924.41	11.40	1253.32								
11.50	269.98	11.50	582.82	11.50	923.86	11.50	1252.52								
11.60	269.81	11.60	582.46	11.60	923.31	11.60	1251.73								
11.70	269.63	11.70	582.11	11.70	922.76	11.70	1250.94								
11.80	269.46	11.80	581.76	11.80	922.22	11.80	1250.16								
11.90	269.29	11.90	581.41	11.90	921.68	11.90	1249.38								

12.00	269.12	12.00	581.06	12.00	921.14	12.00	1248.61								
12.10	268.96	12.10	580.71	12.10	920.60	12.10	1247.84								
12.20	268.79	12.20	580.37	12.20	920.07	12.20	1247.07								
12.30	268.62	12.30	580.03	12.30	919.54	12.30	1246.31								
12.40	268.46	12.40	579.69	12.40	919.02	12.40	1245.55								
12.50	268.29	12.50	579.35	12.50	918.50	12.50	1244.80								
12.60	268.13	12.60	579.01	12.60	917.98	12.60	1244.05								
12.70	267.97	12.70	578.67	12.70	917.46	12.70	1243.31								
12.80	267.81	12.80	578.34	12.80	916.95	12.80	1242.57								
12.90	267.65	12.90	578.01	12.90	916.44	12.90	1241.83								
13.00	267.49	13.00	577.68	13.00	915.93	13.00	1241.10								
13.10	267.33	13.10	577.35	13.10	915.42	13.10	1240.37								
13.20	267.17	13.20	577.03	13.20	914.92	13.20	1239.65								
13.30	267.02	13.30	576.70	13.30	914.43	13.30	1238.93								
13.40	266.86	13.40	576.38	13.40	913.93	13.40	1238.22								
13.50	266.71	13.50	576.06	13.50	913.44	13.50	1237.51								
13.60	266.55	13.60	575.74	13.60	912.95	13.60	1236.80								
13.70	266.40	13.70	575.42	13.70	912.46	13.70	1236.10								
13.80	266.25	13.80	575.11	13.80	911.98	13.80	1235.40								
13.90	266.10	13.90	574.80	13.90	911.50	13.90	1234.71								
14.00	265.95	14.00	574.49	14.00	911.02	14.00	1234.02								
14.10	265.80	14.10	574.18	14.10	910.55	14.10	1233.34								
14.20	265.65	14.20	573.87	14.20	910.08	14.20	1232.66								
14.30	265.51	14.30	573.56	14.30	909.61	14.30	1231.98								
14.40	265.36	14.40	573.26	14.40	909.14	14.40	1231.31								

14.50	265.21	14.50	572.96	14.50	908.68	14.50	1230.64								
14.60	265.07	14.60	572.66	14.60	908.22	14.60	1229.98								
14.70	264.93	14.70	572.36	14.70	907.76	14.70	1229.32								
14.80	264.78	14.80	572.07	14.80	907.31	14.80	1228.66								
14.90	264.64	14.90	571.77	14.90	906.86	14.90	1228.01								
15.00	264.50	15.00	571.48	15.00	906.41	15.00	1227.36								
15.10	264.36	15.10	571.19	15.10	905.96	15.10	1226.72								
15.20	264.22	15.20	570.90	15.20	905.52	15.20	1226.08								
15.30	264.09	15.30	570.61	15.30	905.08	15.30	1225.44								
15.40	263.95	15.40	570.32	15.40	904.64	15.40	1224.81								
15.50	263.81	15.50	570.04	15.50	904.20	15.50	1224.18								
15.60	263.68	15.60	569.76	15.60	903.77	15.60	1223.55								
15.70	263.54	15.70	569.48	15.70	903.34	15.70	1222.93								
15.80	263.41	15.80	569.20	15.80	902.92	15.80	1222.32								
15.90	263.28	15.90	568.92	15.90	902.49	15.90	1221.70								
16.00	263.14	16.00	568.65	16.00	902.07	16.00	1221.09								
16.10	263.01	16.10	568.37	16.10	901.65	16.10	1220.49								
16.20	262.88	16.20	568.10	16.20	901.23	16.20	1219.89								
16.30	262.75	16.30	567.83	16.30	900.82	16.30	1219.29								
16.40	262.63	16.40	567.56	16.40	900.41	16.40	1218.69								
16.50	262.50	16.50	567.29	16.50	900.00	16.50	1218.10								
16.60	262.37	16.60	567.03	16.60	899.59	16.60	1217.52								
16.70	262.24	16.70	566.76	16.70	899.19	16.70	1216.93								
16.80	262.12	16.80	566.50	16.80	898.79	16.80	1216.35								
16.90	261.99	16.90	566.24	16.90	898.39	16.90	1215.77								

17.00	261.87	17.00	565.98	17.00	897.99	17.00	1215.20								
17.10	261.75	17.10	565.72	17.10	897.60	17.10	1214.63								
17.20	261.62	17.20	565.47	17.20	897.20	17.20	1214.06								
17.30	261.50	17.30	565.21	17.30	896.81	17.30	1213.50								
17.40	261.38	17.40	564.96	17.40	896.43	17.40	1212.94								
17.50	261.26	17.50	564.71	17.50	896.04	17.50	1212.39								
17.60	261.14	17.60	564.45	17.60	895.66	17.60	1211.83								
17.70	261.02	17.70	564.21	17.70	895.28	17.70	1211.28								
17.80	260.90	17.80	563.96	17.80	894.90	17.80	1210.74								
17.90	260.79	17.90	563.71	17.90	894.52	17.90	1210.19								
18.00	260.67	18.00	563.47	18.00	894.15	18.00	1209.65								
18.10	260.55	18.10	563.22	18.10	893.78	18.10	1209.12								
18.20	260.44	18.20	562.98	18.20	893.41	18.20	1208.58								
18.30	260.32	18.30	562.74	18.30	893.04	18.30	1208.05								
18.40	260.21	18.40	562.50	18.40	892.68	18.40	1207.52								
18.50	260.10	18.50	562.27	18.50	892.31	18.50	1207.00								
18.60	259.98	18.60	562.03	18.60	891.95	18.60	1206.48								
18.70	259.87	18.70	561.79	18.70	891.59	18.70	1205.96								
18.80	259.76	18.80	561.56	18.80	891.24	18.80	1205.44								
18.90	259.65	18.90	561.33	18.90	890.88	18.90	1204.93								
19.00	259.54	19.00	561.10	19.00	890.53	19.00	1204.42								
19.10	259.43	19.10	560.87	19.10	890.18	19.10	1203.92								
19.20	259.32	19.20	560.64	19.20	889.83	19.20	1203.41								
19.30	259.21	19.30	560.41	19.30	889.49	19.30	1202.91								
19.40	259.11	19.40	560.19	19.40	889.14	19.40	1202.41								

19.50	259.00	19.50	559.96	19.50	888.80	19.50	1201.92								
19.60	258.89	19.60	559.74	19.60	888.46	19.60	1201.43								
19.70	258.79	19.70	559.52	19.70	888.12	19.70	1200.94								
19.80	258.68	19.80	559.30	19.80	887.78	19.80	1200.45								
19.90	258.58	19.90	559.08	19.90	887.45	19.90	1199.97								
20.00	258.47	20.00	558.86	20.00	887.12	20.00	1199.49								
20.10	258.37	20.10	558.64	20.10	886.79	20.10	1199.01								
20.20	258.27	20.20	558.43	20.20	886.46	20.20	1198.53								
20.30	258.16	20.30	558.21	20.30	886.13	20.30	1198.06								
20.40	258.06	20.40	558.00	20.40	885.80	20.40	1197.59								
20.50	257.96	20.50	557.79	20.50	885.48	20.50	1197.12								
20.60	257.86	20.60	557.58	20.60	885.16	20.60	1196.66								
20.70	257.76	20.70	557.37	20.70	884.84	20.70	1196.19								
20.80	257.66	20.80	557.16	20.80	884.52	20.80	1195.73								
20.90	257.56	20.90	556.95	20.90	884.20	20.90	1195.28								
21.00	257.47	21.00	556.74	21.00	883.89	21.00	1194.82								
21.10	257.37	21.10	556.54	21.10	883.57	21.10	1194.37								
21.20	257.27	21.20	556.33	21.20	883.26	21.20	1193.92								
21.30	257.17	21.30	556.13	21.30	882.95	21.30	1193.47								
21.40	257.08	21.40	555.93	21.40	882.65	21.40	1193.03								
21.50	256.98	21.50	555.73	21.50	882.34	21.50	1192.58								
21.60	256.89	21.60	555.53	21.60	882.03	21.60	1192.14								
21.70	256.79	21.70	555.33	21.70	881.73	21.70	1191.71								
21.80	256.70	21.80	555.13	21.80	881.43	21.80	1191.27								
21.90	256.61	21.90	554.94	21.90	881.13	21.90	1190.84								

22.00	256.51	22.00	554.74	22.00	880.83	22.00	1190.41								
22.10	256.42	22.10	554.55	22.10	880.54	22.10	1189.98								
22.20	256.33	22.20	554.35	22.20	880.24	22.20	1189.55								
22.30	256.24	22.30	554.16	22.30	879.95	22.30	1189.13								
22.40	256.15	22.40	553.97	22.40	879.66	22.40	1188.70								
22.50	256.06	22.50	553.78	22.50	879.36	22.50	1188.28								
22.60	255.97	22.60	553.59	22.60	879.08	22.60	1187.87								
22.70	255.88	22.70	553.40	22.70	878.79	22.70	1187.45								
22.80	255.79	22.80	553.21	22.80	878.50	22.80	1187.04								
22.90	255.70	22.90	553.03	22.90	878.22	22.90	1186.63								
23.00	255.61	23.00	552.84	23.00	877.94	23.00	1186.22								
23.10	255.52	23.10	552.65	23.10	877.65	23.10	1185.81								
23.20	255.44	23.20	552.47	23.20	877.37	23.20	1185.41								
23.30	255.35	23.30	552.29	23.30	877.10	23.30	1185.01								
23.40	255.26	23.40	552.11	23.40	876.82	23.40	1184.61								
23.50	255.18	23.50	551.93	23.50	876.54	23.50	1184.21								
23.60	255.09	23.60	551.75	23.60	876.27	23.60	1183.81								
23.70	255.01	23.70	551.57	23.70	876.00	23.70	1183.42								
23.80	254.92	23.80	551.39	23.80	875.72	23.80	1183.02								
23.90	254.84	23.90	551.21	23.90	875.45	23.90	1182.63								
24.00	254.75	24.00	551.03	24.00	875.18	24.00	1182.25								
24.10	254.67	24.10	550.86	24.10	874.92	24.10	1181.86								
24.20	254.59	24.20	550.68	24.20	874.65	24.20	1181.47								
24.30	254.51	24.30	550.51	24.30	874.39	24.30	1181.09								
24.40	254.42	24.40	550.34	24.40	874.12	24.40	1180.71								

24.50	254.34	24.50	550.17	24.50	873.86	24.50	1180.33								
24.60	254.26	24.60	549.99	24.60	873.60	24.60	1179.96								
24.70	254.18	24.70	549.82	24.70	873.34	24.70	1179.58								
24.80	254.10	24.80	549.65	24.80	873.08	24.80	1179.21								
24.90	254.02	24.90	549.49	24.90	872.83	24.90	1178.84								
25.00	253.94	25.00	549.32	25.00	872.57	25.00	1178.47								

The data of Figure 12 (Fc=83.33%)

Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)
100kPa		200kPa		300kPa		400kPa		100kPa		200kPa		300kPa		400kPa	
Calculated value								Test value							
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	22.84	0.10	48.42	0.10	77.75	0.10	94.82	0.50	122.02	0.50	261.90	0.50	413.69	0.50	508.93
0.20	47.78	0.20	101.43	0.20	162.34	0.20	199.11	1.00	199.40	1.00	428.57	1.00	669.64	1.00	854.17
0.30	72.44	0.30	154.07	0.30	245.66	0.30	303.24	1.50	247.02	1.50	535.71	1.50	827.38	1.50	1092.26
0.40	95.85	0.40	204.26	0.40	324.46	0.40	403.14	2.00	267.86	2.00	580.36	2.00	886.90	2.00	1175.60
0.50	117.53	0.50	250.99	0.50	397.21	0.50	496.69	2.50	276.79	2.50	607.14	2.50	928.57	2.50	1238.10
0.60	137.30	0.60	293.80	0.60	463.34	0.60	582.91	3.00	282.74	3.00	619.05	3.00	946.43	3.00	1258.93
0.70	155.14	0.70	332.62	0.70	522.84	0.70	661.51	3.50	288.69	3.50	630.95	3.50	961.31	3.50	1282.74
0.80	171.13	0.80	367.56	0.80	576.02	0.80	732.61	4.00	291.67	4.00	639.88	4.00	970.24	4.00	1297.62
0.90	185.38	0.90	398.86	0.90	623.34	0.90	796.59	4.50	294.64	4.50	645.83	4.50	982.14	4.50	1312.50
1.00	198.06	1.00	426.80	1.00	665.34	1.00	853.97	5.00	294.64	5.00	648.81	5.00	985.12	5.00	1318.45
1.10	209.31	1.10	451.70	1.10	702.54	1.10	905.30	5.50	297.62	5.50	651.79	5.50	991.07	5.50	1324.40
1.20	219.29	1.20	473.86	1.20	735.48	1.20	951.16	6.00	297.62	6.00	651.79	6.00	991.07	6.00	1327.38

1.30	228.14	1.30	493.58	1.30	764.65	1.30	992.09	6.50	297.62	6.50	651.79	6.50	994.05	6.50	1330.36
1.40	235.98	1.40	511.11	1.40	790.48	1.40	1028.63	7.00	297.62	7.00	651.79	7.00	994.05	7.00	1330.36
1.50	242.94	1.50	526.72	1.50	813.37	1.50	1061.24	7.50	297.62	7.50	651.79	7.50	994.05	7.50	1330.36
1.60	249.12	1.60	540.62	1.60	833.67	1.60	1090.36	8.00	297.62	8.00	651.79	8.00	991.07	8.00	1327.38
1.70	254.61	1.70	553.00	1.70	851.69	1.70	1116.37	8.50	294.64	8.50	648.81	8.50	988.10	8.50	1324.40
1.80	259.50	1.80	564.05	1.80	867.70	1.80	1139.62	9.00	294.64	9.00	648.81	9.00	985.12	9.00	1324.40
1.90	263.84	1.90	573.90	1.90	881.94	1.90	1160.41	9.50	294.64	9.50	648.81	9.50	985.12	9.50	1321.43
2.00	267.71	2.00	582.70	2.00	894.62	2.00	1179.03	10.00	294.64	10.00	645.83	10.00	982.14	10.00	1315.48
2.10	271.17	2.10	590.57	2.10	905.92	2.10	1195.70	10.50	294.64	10.50	645.83	10.50	979.17	10.50	1312.50
2.20	274.25	2.20	597.60	2.20	916.00	2.20	1210.65	11.00	291.67	11.00	642.86	11.00	976.19	11.00	1309.52
2.30	277.00	2.30	603.90	2.30	924.99	2.30	1224.05	11.50	291.67	11.50	639.88	11.50	976.19	11.50	1303.57
2.40	279.45	2.40	609.54	2.40	933.02	2.40	1236.08	12.00	291.67	12.00	639.88	12.00	973.21	12.00	1300.60
2.50	281.65	2.50	614.60	2.50	940.19	2.50	1246.87	12.50	291.67	12.50	636.90	12.50	970.24	12.50	1294.64
2.60	283.61	2.60	619.13	2.60	946.60	2.60	1256.57	13.00	288.69	13.00	633.93	13.00	967.26	13.00	1291.67
2.70	285.36	2.70	623.18	2.70	952.32	2.70	1265.27	13.50	288.69	13.50	633.93	13.50	964.29	13.50	1288.69
2.80	286.93	2.80	626.82	2.80	957.44	2.80	1273.09	14.00	288.69	14.00	630.95	14.00	961.31	14.00	1282.74
2.90	288.33	2.90	630.08	2.90	962.01	2.90	1280.11	14.50	285.71	14.50	627.98	14.50	955.36	14.50	1279.76
3.00	289.58	3.00	633.01	3.00	966.09	3.00	1286.41	15.00	285.71	15.00	625.00	15.00	949.40	15.00	1276.79
3.10	290.70	3.10	635.62	3.10	969.73	3.10	1292.07	15.50	285.71	15.50	625.00	15.50	946.43	15.50	1270.83
3.20	291.69	3.20	637.96	3.20	972.98	3.20	1297.14	16.00	282.74	16.00	622.02	16.00	943.45	16.00	1264.88
3.30	292.58	3.30	640.05	3.30	975.87	3.30	1301.68	16.50	282.74	16.50	619.05	16.50	940.48	16.50	1261.90
3.40	293.37	3.40	641.92	3.40	978.44	3.40	1305.74	17.00	282.74	17.00	616.07	17.00	937.50	17.00	1255.95
3.50	294.07	3.50	643.58	3.50	980.72	3.50	1309.38	17.50	279.76	17.50	613.10	17.50	934.52	17.50	1250.00
3.60	294.68	3.60	645.06	3.60	982.73	3.60	1312.61	18.00	279.76	18.00	613.10	18.00	931.55	18.00	1247.02
3.70	295.23	3.70	646.38	3.70	984.51	3.70	1315.50	18.50	276.79	18.50	610.12	18.50	928.57	18.50	1244.05

3.80	295.71	3.80	647.54	3.80	986.07	3.80	1318.06	19.00	276.79	19.00	607.14	19.00	925.60	19.00	1241.07
3.90	296.13	3.90	648.56	3.90	987.44	3.90	1320.32	19.50	276.79	19.50	607.14	19.50	919.64	19.50	1238.10
4.00	296.49	4.00	649.46	4.00	988.63	4.00	1322.31	20.00	273.81	20.00	604.17	20.00	916.67	20.00	1232.14
4.10	296.81	4.10	650.24	4.10	989.66	4.10	1324.06	20.50	273.81	20.50	601.19	20.50	910.71	20.50	1226.19
4.20	297.08	4.20	650.92	4.20	990.54	4.20	1325.59	21.00	270.83	21.00	598.21	21.00	907.74	21.00	1220.24
4.30	297.31	4.30	651.50	4.30	991.28	4.30	1326.91	21.50	270.83	21.50	595.24	21.50	901.79	21.50	1214.29
4.40	297.50	4.40	652.00	4.40	991.91	4.40	1328.05	22.00	267.86	22.00	592.26	22.00	898.81	22.00	1208.33
4.50	297.66	4.50	652.42	4.50	992.42	4.50	1329.01	22.50	267.86	22.50	589.29	22.50	895.83	22.50	1202.38
4.60	297.79	4.60	652.76	4.60	992.83	4.60	1329.82	23.00	267.86	23.00	589.29	23.00	892.86	23.00	1199.40
4.70	297.88	4.70	653.04	4.70	993.15	4.70	1330.49	23.50	267.86	23.50	586.31	23.50	889.88	23.50	1196.43
4.80	297.96	4.80	653.26	4.80	993.39	4.80	1331.03	24.00	267.86	24.00	586.31	24.00	886.90	24.00	1193.45
4.90	298.00	4.90	653.42	4.90	993.54	4.90	1331.44	24.50	264.88	24.50	583.33	24.50	883.93	24.50	1187.50
5.00	298.03	5.00	653.53	5.00	993.63	5.00	1331.75	25.00	264.88	25.00	580.36			25.00	1181.55
5.10	298.04	5.10	653.60	5.10	993.65	5.10	1331.95								
5.20	298.02	5.20	653.62	5.20	993.61	5.20	1332.06								
5.30	298.00	5.30	653.60	5.30	993.51	5.30	1332.09								
5.40	297.95	5.40	653.55	5.40	993.37	5.40	1332.04								
5.50	297.89	5.50	653.46	5.50	993.18	5.50	1331.92								
5.60	297.82	5.60	653.35	5.60	992.95	5.60	1331.73								
5.70	297.74	5.70	653.20	5.70	992.68	5.70	1331.48								
5.80	297.65	5.80	653.03	5.80	992.38	5.80	1331.17								
5.90	297.55	5.90	652.84	5.90	992.04	5.90	1330.81								
6.00	297.43	6.00	652.63	6.00	991.67	6.00	1330.41								
6.10	297.31	6.10	652.39	6.10	991.28	6.10	1329.96								
6.20	297.19	6.20	652.14	6.20	990.87	6.20	1329.48								

6.30	297.05	6.30	651.87	6.30	990.43	6.30	1328.96								
6.40	296.91	6.40	651.59	6.40	989.97	6.40	1328.40								
6.50	296.77	6.50	651.29	6.50	989.49	6.50	1327.81								
6.60	296.61	6.60	650.98	6.60	988.99	6.60	1327.20								
6.70	296.46	6.70	650.66	6.70	988.48	6.70	1326.56								
6.80	296.30	6.80	650.33	6.80	987.96	6.80	1325.90								
6.90	296.13	6.90	649.99	6.90	987.42	6.90	1325.21								
7.00	295.96	7.00	649.64	7.00	986.88	7.00	1324.51								
7.10	295.79	7.10	649.28	7.10	986.32	7.10	1323.79								
7.20	295.62	7.20	648.91	7.20	985.75	7.20	1323.05								
7.30	295.44	7.30	648.54	7.30	985.17	7.30	1322.30								
7.40	295.26	7.40	648.16	7.40	984.59	7.40	1321.54								
7.50	295.08	7.50	647.78	7.50	984.00	7.50	1320.76								
7.60	294.90	7.60	647.39	7.60	983.40	7.60	1319.97								
7.70	294.72	7.70	647.00	7.70	982.80	7.70	1319.18								
7.80	294.53	7.80	646.61	7.80	982.20	7.80	1318.37								
7.90	294.35	7.90	646.21	7.90	981.59	7.90	1317.56								
8.00	294.16	8.00	645.81	8.00	980.98	8.00	1316.74								
8.10	293.97	8.10	645.40	8.10	980.36	8.10	1315.91								
8.20	293.78	8.20	645.00	8.20	979.74	8.20	1315.08								
8.30	293.59	8.30	644.59	8.30	979.12	8.30	1314.25								
8.40	293.40	8.40	644.18	8.40	978.50	8.40	1313.41								
8.50	293.21	8.50	643.77	8.50	977.88	8.50	1312.57								
8.60	293.02	8.60	643.36	8.60	977.26	8.60	1311.72								
8.70	292.83	8.70	642.95	8.70	976.63	8.70	1310.88								

8.80	292.64	8.80	642.54	8.80	976.01	8.80	1310.03								
8.90	292.45	8.90	642.12	8.90	975.39	8.90	1309.18								
9.00	292.26	9.00	641.71	9.00	974.76	9.00	1308.33								
9.10	292.06	9.10	641.30	9.10	974.14	9.10	1307.48								
9.20	291.87	9.20	640.89	9.20	973.52	9.20	1306.63								
9.30	291.68	9.30	640.47	9.30	972.90	9.30	1305.78								
9.40	291.50	9.40	640.06	9.40	972.28	9.40	1304.93								
9.50	291.31	9.50	639.65	9.50	971.67	9.50	1304.09								
9.60	291.12	9.60	639.24	9.60	971.05	9.60	1303.24								
9.70	290.93	9.70	638.84	9.70	970.44	9.70	1302.40								
9.80	290.74	9.80	638.43	9.80	969.83	9.80	1301.56								
9.90	290.56	9.90	638.02	9.90	969.22	9.90	1300.72								
10.00	290.37	10.00	637.62	10.00	968.61	10.00	1299.88								
10.10	290.19	10.10	637.21	10.10	968.00	10.10	1299.04								
10.20	290.00	10.20	636.81	10.20	967.40	10.20	1298.21								
10.30	289.82	10.30	636.41	10.30	966.80	10.30	1297.38								
10.40	289.63	10.40	636.01	10.40	966.20	10.40	1296.55								
10.50	289.45	10.50	635.61	10.50	965.61	10.50	1295.73								
10.60	289.27	10.60	635.22	10.60	965.02	10.60	1294.91								
10.70	289.09	10.70	634.82	10.70	964.43	10.70	1294.09								
10.80	288.91	10.80	634.43	10.80	963.84	10.80	1293.28								
10.90	288.73	10.90	634.04	10.90	963.26	10.90	1292.47								
11.00	288.55	11.00	633.65	11.00	962.68	11.00	1291.66								
11.10	288.38	11.10	633.26	11.10	962.10	11.10	1290.86								
11.20	288.20	11.20	632.88	11.20	961.53	11.20	1290.06								

11.30	288.03	11.30	632.49	11.30	960.96	11.30	1289.27								
11.40	287.85	11.40	632.11	11.40	960.39	11.40	1288.48								
11.50	287.68	11.50	631.73	11.50	959.82	11.50	1287.69								
11.60	287.51	11.60	631.36	11.60	959.26	11.60	1286.91								
11.70	287.34	11.70	630.98	11.70	958.70	11.70	1286.13								
11.80	287.17	11.80	630.61	11.80	958.15	11.80	1285.35								
11.90	287.00	11.90	630.24	11.90	957.59	11.90	1284.58								
12.00	286.83	12.00	629.87	12.00	957.05	12.00	1283.82								
12.10	286.66	12.10	629.50	12.10	956.50	12.10	1283.05								
12.20	286.50	12.20	629.14	12.20	955.96	12.20	1282.29								
12.30	286.33	12.30	628.77	12.30	955.42	12.30	1281.54								
12.40	286.17	12.40	628.41	12.40	954.88	12.40	1280.79								
12.50	286.00	12.50	628.05	12.50	954.35	12.50	1280.05								
12.60	285.84	12.60	627.70	12.60	953.82	12.60	1279.30								
12.70	285.68	12.70	627.34	12.70	953.29	12.70	1278.57								
12.80	285.52	12.80	626.99	12.80	952.77	12.80	1277.83								
12.90	285.36	12.90	626.64	12.90	952.25	12.90	1277.11								
13.00	285.20	13.00	626.29	13.00	951.73	13.00	1276.38								
13.10	285.05	13.10	625.95	13.10	951.22	13.10	1275.66								
13.20	284.89	13.20	625.60	13.20	950.71	13.20	1274.95								
13.30	284.73	13.30	625.26	13.30	950.20	13.30	1274.24								
13.40	284.58	13.40	624.92	13.40	949.70	13.40	1273.53								
13.50	284.43	13.50	624.58	13.50	949.20	13.50	1272.83								
13.60	284.28	13.60	624.25	13.60	948.70	13.60	1272.13								
13.70	284.12	13.70	623.91	13.70	948.20	13.70	1271.43								

13.80	283.97	13.80	623.58	13.80	947.71	13.80	1270.74								
13.90	283.82	13.90	623.25	13.90	947.22	13.90	1270.06								
14.00	283.68	14.00	622.93	14.00	946.74	14.00	1269.37								
14.10	283.53	14.10	622.60	14.10	946.26	14.10	1268.70								
14.20	283.38	14.20	622.28	14.20	945.78	14.20	1268.02								
14.30	283.24	14.30	621.96	14.30	945.30	14.30	1267.35								
14.40	283.09	14.40	621.64	14.40	944.83	14.40	1266.69								
14.50	282.95	14.50	621.32	14.50	944.36	14.50	1266.03								
14.60	282.80	14.60	621.00	14.60	943.89	14.60	1265.37								
14.70	282.66	14.70	620.69	14.70	943.42	14.70	1264.72								
14.80	282.52	14.80	620.38	14.80	942.96	14.80	1264.07								
14.90	282.38	14.90	620.07	14.90	942.50	14.90	1263.42								
15.00	282.24	15.00	619.76	15.00	942.05	15.00	1262.78								
15.10	282.10	15.10	619.45	15.10	941.60	15.10	1262.14								
15.20	281.96	15.20	619.15	15.20	941.15	15.20	1261.51								
15.30	281.83	15.30	618.85	15.30	940.70	15.30	1260.88								
15.40	281.69	15.40	618.55	15.40	940.25	15.40	1260.25								
15.50	281.56	15.50	618.25	15.50	939.81	15.50	1259.63								
15.60	281.42	15.60	617.95	15.60	939.37	15.60	1259.01								
15.70	281.29	15.70	617.66	15.70	938.94	15.70	1258.40								
15.80	281.16	15.80	617.36	15.80	938.50	15.80	1257.79								
15.90	281.02	15.90	617.07	15.90	938.07	15.90	1257.18								
16.00	280.89	16.00	616.78	16.00	937.65	16.00	1256.58								
16.10	280.76	16.10	616.50	16.10	937.22	16.10	1255.98								
16.20	280.63	16.20	616.21	16.20	936.80	16.20	1255.38								

16.30	280.51	16.30	615.93	16.30	936.38	16.30	1254.79								
16.40	280.38	16.40	615.64	16.40	935.96	16.40	1254.20								
16.50	280.25	16.50	615.36	16.50	935.55	16.50	1253.62								
16.60	280.13	16.60	615.09	16.60	935.13	16.60	1253.03								
16.70	280.00	16.70	614.81	16.70	934.72	16.70	1252.46								
16.80	279.88	16.80	614.53	16.80	934.32	16.80	1251.88								
16.90	279.75	16.90	614.26	16.90	933.91	16.90	1251.31								
17.00	279.63	17.00	613.99	17.00	933.51	17.00	1250.74								
17.10	279.51	17.10	613.72	17.10	933.11	17.10	1250.18								
17.20	279.39	17.20	613.45	17.20	932.71	17.20	1249.62								
17.30	279.26	17.30	613.18	17.30	932.32	17.30	1249.06								
17.40	279.14	17.40	612.91	17.40	931.93	17.40	1248.51								
17.50	279.03	17.50	612.65	17.50	931.54	17.50	1247.96								
17.60	278.91	17.60	612.39	17.60	931.15	17.60	1247.41								
17.70	278.79	17.70	612.13	17.70	930.76	17.70	1246.86								
17.80	278.67	17.80	611.87	17.80	930.38	17.80	1246.32								
17.90	278.56	17.90	611.61	17.90	930.00	17.90	1245.78								
18.00	278.44	18.00	611.35	18.00	929.62	18.00	1245.25								
18.10	278.32	18.10	611.10	18.10	929.25	18.10	1244.72								
18.20	278.21	18.20	610.85	18.20	928.87	18.20	1244.19								
18.30	278.10	18.30	610.59	18.30	928.50	18.30	1243.66								
18.40	277.98	18.40	610.34	18.40	928.13	18.40	1243.14								
18.50	277.87	18.50	610.09	18.50	927.76	18.50	1242.62								
18.60	277.76	18.60	609.85	18.60	927.40	18.60	1242.11								
18.70	277.65	18.70	609.60	18.70	927.03	18.70	1241.59								

18.80	277.54	18.80	609.36	18.80	926.67	18.80	1241.08								
18.90	277.43	18.90	609.11	18.90	926.31	18.90	1240.58								
19.00	277.32	19.00	608.87	19.00	925.96	19.00	1240.07								
19.10	277.21	19.10	608.63	19.10	925.60	19.10	1239.57								
19.20	277.10	19.20	608.39	19.20	925.25	19.20	1239.07								
19.30	277.00	19.30	608.16	19.30	924.90	19.30	1238.58								
19.40	276.89	19.40	607.92	19.40	924.55	19.40	1238.08								
19.50	276.78	19.50	607.68	19.50	924.21	19.50	1237.59								
19.60	276.68	19.60	607.45	19.60	923.86	19.60	1237.10								
19.70	276.57	19.70	607.22	19.70	923.52	19.70	1236.62								
19.80	276.47	19.80	606.99	19.80	923.18	19.80	1236.14								
19.90	276.37	19.90	606.76	19.90	922.84	19.90	1235.66								
20.00	276.26	20.00	606.53	20.00	922.50	20.00	1235.18								
20.10	276.16	20.10	606.30	20.10	922.17	20.10	1234.71								
20.20	276.06	20.20	606.08	20.20	921.84	20.20	1234.24								
20.30	275.96	20.30	605.85	20.30	921.50	20.30	1233.77								
20.40	275.86	20.40	605.63	20.40	921.18	20.40	1233.30								
20.50	275.76	20.50	605.41	20.50	920.85	20.50	1232.84								
20.60	275.66	20.60	605.19	20.60	920.52	20.60	1232.38								
20.70	275.56	20.70	604.97	20.70	920.20	20.70	1231.92								
20.80	275.46	20.80	604.75	20.80	919.88	20.80	1231.47								
20.90	275.36	20.90	604.53	20.90	919.56	20.90	1231.01								
21.00	275.27	21.00	604.32	21.00	919.24	21.00	1230.56								
21.10	275.17	21.10	604.10	21.10	918.92	21.10	1230.11								
21.20	275.07	21.20	603.89	21.20	918.61	21.20	1229.67								

21.30	274.98	21.30	603.68	21.30	918.29	21.30	1229.23								
21.40	274.88	21.40	603.47	21.40	917.98	21.40	1228.78								
21.50	274.79	21.50	603.26	21.50	917.67	21.50	1228.35								
21.60	274.69	21.60	603.05	21.60	917.37	21.60	1227.91								
21.70	274.60	21.70	602.84	21.70	917.06	21.70	1227.48								
21.80	274.51	21.80	602.63	21.80	916.75	21.80	1227.04								
21.90	274.41	21.90	602.43	21.90	916.45	21.90	1226.61								
22.00	274.32	22.00	602.22	22.00	916.15	22.00	1226.19								
22.10	274.23	22.10	602.02	22.10	915.85	22.10	1225.76								
22.20	274.14	22.20	601.82	22.20	915.55	22.20	1225.34								
22.30	274.05	22.30	601.62	22.30	915.26	22.30	1224.92								
22.40	273.96	22.40	601.42	22.40	914.96	22.40	1224.50								
22.50	273.87	22.50	601.22	22.50	914.67	22.50	1224.09								
22.60	273.78	22.60	601.02	22.60	914.38	22.60	1223.67								
22.70	273.69	22.70	600.82	22.70	914.08	22.70	1223.26								
22.80	273.60	22.80	600.63	22.80	913.80	22.80	1222.85								
22.90	273.51	22.90	600.43	22.90	913.51	22.90	1222.45								
23.00	273.43	23.00	600.24	23.00	913.22	23.00	1222.04								
23.10	273.34	23.10	600.04	23.10	912.94	23.10	1221.64								
23.20	273.25	23.20	599.85	23.20	912.66	23.20	1221.24								
23.30	273.17	23.30	599.66	23.30	912.37	23.30	1220.84								
23.40	273.08	23.40	599.47	23.40	912.09	23.40	1220.44								
23.50	273.00	23.50	599.28	23.50	911.82	23.50	1220.05								
23.60	272.91	23.60	599.09	23.60	911.54	23.60	1219.65								
23.70	272.83	23.70	598.91	23.70	911.26	23.70	1219.26								

23.80	272.74	23.80	598.72	23.80	910.99	23.80	1218.87								
23.90	272.66	23.90	598.54	23.90	910.72	23.90	1218.49								
24.00	272.58	24.00	598.35	24.00	910.44	24.00	1218.10								
24.10	272.50	24.10	598.17	24.10	910.17	24.10	1217.72								
24.20	272.41	24.20	597.99	24.20	909.91	24.20	1217.34								
24.30	272.33	24.30	597.80	24.30	909.64	24.30	1216.96								
24.40	272.25	24.40	597.62	24.40	909.37	24.40	1216.58								
24.50	272.17	24.50	597.44	24.50	909.11	24.50	1216.21								
24.60	272.09	24.60	597.27	24.60	908.84	24.60	1215.83								
24.70	272.01	24.70	597.09	24.70	908.58	24.70	1215.46								
24.80	271.93	24.80	596.91	24.80	908.32	24.80	1215.09								
24.90	271.85	24.90	596.73	24.90	908.06	24.90	1214.72								
25.00	271.77	25.00	596.56	25.00	907.80	25.00	1214.36								

The data of Figure 12 (Fc=71.43%)

Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)
100kPa		200kPa		300kPa		400kPa		100kPa		200kPa		300kPa		400kPa	
Calculated value								Test value							
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	34.84	0.10	58.92	0.10	84.64	0.10	117.81	0.50	161.03	0.50	266.73	0.50	387.53	0.50	536.02
0.20	71.38	0.20	121.39	0.20	174.41	0.20	241.97	1.00	286.82	1.00	515.84	1.00	737.32	1.00	1006.61
0.30	106.14	0.30	181.60	0.30	260.97	0.30	360.91	1.50	319.48	1.50	576.19	1.50	827.87	1.50	1117.30
0.40	137.96	0.40	237.48	0.40	341.32	0.40	470.64	2.00	337.05	2.00	611.38	2.00	880.67	2.00	1185.20
0.50	166.51	0.50	288.24	0.50	414.35	0.50	569.81	2.50	349.58	2.50	633.98	2.50	913.34	2.50	1232.97
0.60	191.81	0.60	333.76	0.60	479.86	0.60	658.33	3.00	357.08	3.00	649.03	3.00	933.42	3.00	1260.60

0.70	214.07	0.70	374.25	0.70	538.16	0.70	736.75	3.50	362.07	3.50	661.56	3.50	950.99	3.50	1283.20
0.80	233.59	0.80	410.11	0.80	589.80	0.80	805.93	4.00	367.05	4.00	669.06	4.00	963.52	4.00	1300.77
0.90	250.66	0.90	441.77	0.90	635.42	0.90	866.83	4.50	372.03	4.50	676.56	4.50	973.54	4.50	1313.30
1.00	265.60	1.00	469.70	1.00	675.68	1.00	920.39	5.00	374.50	5.00	684.06	5.00	983.56	5.00	1325.84
1.10	278.68	1.10	494.33	1.10	711.18	1.10	967.50	5.50	376.97	5.50	686.53	5.50	988.54	5.50	1330.82
1.20	290.14	1.20	516.06	1.20	742.52	1.20	1008.98	6.00	376.91	6.00	688.99	6.00	991.01	6.00	1335.80
1.30	300.19	1.30	535.26	1.30	770.20	1.30	1045.54	6.50	379.38	6.50	691.46	6.50	993.47	6.50	1338.27
1.40	309.03	1.40	552.22	1.40	794.67	1.40	1077.81	7.00	379.33	7.00	691.41	7.00	995.94	7.00	1340.73
1.50	316.81	1.50	567.25	1.50	816.35	1.50	1106.34	7.50	379.28	7.50	691.36	7.50	995.89	7.50	1340.69
1.60	323.68	1.60	580.57	1.60	835.58	1.60	1131.61	8.00	379.23	8.00	693.83	8.00	998.35	8.00	1343.15
1.70	329.75	1.70	592.40	1.70	852.66	1.70	1154.02	8.50	379.18	8.50	693.77	8.50	998.30	8.50	1345.62
1.80	335.13	1.80	602.93	1.80	867.86	1.80	1173.94	9.00	379.13	9.00	693.72	9.00	998.25	9.00	1345.57
1.90	339.90	1.90	612.30	1.90	881.40	1.90	1191.66	9.50	379.08	9.50	693.67	9.50	998.20	9.50	1345.51
2.00	344.13	2.00	620.66	2.00	893.48	2.00	1207.47	10.00	379.03	10.00	693.62	10.00	995.64	10.00	1342.95
2.10	347.90	2.10	628.13	2.10	904.27	2.10	1221.57	10.50	378.98	10.50	691.06	10.50	993.07	10.50	1340.38
2.20	351.26	2.20	634.82	2.20	913.93	2.20	1234.18	11.00	376.41	11.00	688.49	11.00	993.02	11.00	1337.81
2.30	354.26	2.30	640.80	2.30	922.57	2.30	1245.46	11.50	376.36	11.50	685.92	11.50	990.45	11.50	1335.25
2.40	356.94	2.40	646.16	2.40	930.32	2.40	1255.57	12.00	376.31	12.00	683.36	12.00	987.88	12.00	1330.16
2.50	359.33	2.50	650.97	2.50	937.28	2.50	1264.64	12.50	373.74	12.50	680.79	12.50	982.80	12.50	1325.08
2.60	361.47	2.60	655.29	2.60	943.53	2.60	1272.77	13.00	371.17	13.00	678.22	13.00	980.23	13.00	1319.99
2.70	363.38	2.70	659.17	2.70	949.14	2.70	1280.08	13.50	371.12	13.50	675.65	13.50	975.15	13.50	1314.91
2.80	365.10	2.80	662.66	2.80	954.18	2.80	1286.65	14.00	368.56	14.00	673.09	14.00	970.07	14.00	1307.31
2.90	366.64	2.90	665.80	2.90	958.72	2.90	1292.55	14.50	368.51	14.50	670.52	14.50	967.50	14.50	1302.23
3.00	368.01	3.00	668.62	3.00	962.80	3.00	1297.85	15.00	365.94	15.00	667.95	15.00	962.41	15.00	1299.66
3.10	369.24	3.10	671.15	3.10	966.47	3.10	1302.62	15.50	365.89	15.50	665.38	15.50	959.84	15.50	1294.57

3.20	370.35	3.20	673.43	3.20	969.77	3.20	1306.91	16.00	365.84	16.00	665.33	16.00	957.28	16.00	1292.01
3.30	371.33	3.30	675.48	3.30	972.73	3.30	1310.76	16.50	363.27	16.50	662.77	16.50	954.71	16.50	1286.93
3.40	372.22	3.40	677.32	3.40	975.39	3.40	1314.22	17.00	363.22	17.00	662.72	17.00	949.63	17.00	1281.84
3.50	373.00	3.50	678.96	3.50	977.78	3.50	1317.32	17.50	360.65	17.50	660.15	17.50	947.06	17.50	1279.27
3.60	373.70	3.60	680.44	3.60	979.92	3.60	1320.10	18.00	360.60	18.00	657.58	18.00	944.49	18.00	1274.19
3.70	374.33	3.70	681.76	3.70	981.84	3.70	1322.59	18.50	358.04	18.50	655.02	18.50	941.93	18.50	1271.62
3.80	374.88	3.80	682.94	3.80	983.55	3.80	1324.81	19.00	357.99	19.00	652.45	19.00	939.36	19.00	1269.06
3.90	375.37	3.90	684.00	3.90	985.08	3.90	1326.79	19.50	355.42	19.50	652.40	19.50	936.79	19.50	1263.97
4.00	375.80	4.00	684.93	4.00	986.44	4.00	1328.55	20.00	355.37	20.00	649.83	20.00	934.22	20.00	1261.40
4.10	376.18	4.10	685.76	4.10	987.64	4.10	1330.11	20.50	352.80	20.50	647.26	20.50	929.14	20.50	1256.32
4.20	376.51	4.20	686.49	4.20	988.70	4.20	1331.48	21.00	352.75	21.00	644.70	21.00	926.57	21.00	1248.72
4.30	376.79	4.30	687.13	4.30	989.63	4.30	1332.69	21.50	350.18	21.50	642.13	21.50	921.49	21.50	1243.63
4.40	377.04	4.40	687.69	4.40	990.45	4.40	1333.75	22.00	347.61	22.00	637.04	22.00	918.92	22.00	1238.55
4.50	377.25	4.50	688.17	4.50	991.15	4.50	1334.66	22.50	347.57	22.50	634.48	22.50	913.84	22.50	1233.47
4.60	377.42	4.60	688.59	4.60	991.76	4.60	1335.45	23.00	345.00	23.00	631.91	23.00	908.75	23.00	1228.38
4.70	377.56	4.70	688.95	4.70	992.28	4.70	1336.11	23.50	344.95	23.50	629.34	23.50	906.19	23.50	1223.30
4.80	377.68	4.80	689.24	4.80	992.71	4.80	1336.67	24.00	342.38	24.00	626.77	24.00	903.62	24.00	1218.21
4.90	377.77	4.90	689.48	4.90	993.07	4.90	1337.14	24.50	339.81	24.50	624.21	24.50	898.53	24.50	1213.13
5.00	377.84	5.00	689.68	5.00	993.35	5.00	1337.51	25.00	339.77	25.00	621.64	25.00	895.97	25.00	1208.05
5.10	377.88	5.10	689.83	5.10	993.58	5.10	1337.79								
5.20	377.91	5.20	689.94	5.20	993.74	5.20	1338.00								
5.30	377.92	5.30	690.01	5.30	993.85	5.30	1338.14								
5.40	377.91	5.40	690.05	5.40	993.90	5.40	1338.21								
5.50	377.88	5.50	690.05	5.50	993.92	5.50	1338.22								
5.60	377.84	5.60	690.03	5.60	993.88	5.60	1338.18								

5.70	377.79	5.70	689.98	5.70	993.81	5.70	1338.09								
5.80	377.73	5.80	689.90	5.80	993.71	5.80	1337.95								
5.90	377.65	5.90	689.80	5.90	993.57	5.90	1337.76								
6.00	377.56	6.00	689.68	6.00	993.40	6.00	1337.54								
6.10	377.47	6.10	689.54	6.10	993.20	6.10	1337.28								
6.20	377.37	6.20	689.38	6.20	992.97	6.20	1336.99								
6.30	377.26	6.30	689.20	6.30	992.72	6.30	1336.66								
6.40	377.14	6.40	689.01	6.40	992.45	6.40	1336.31								
6.50	377.01	6.50	688.81	6.50	992.16	6.50	1335.93								
6.60	376.88	6.60	688.59	6.60	991.85	6.60	1335.52								
6.70	376.75	6.70	688.36	6.70	991.52	6.70	1335.09								
6.80	376.61	6.80	688.12	6.80	991.18	6.80	1334.65								
6.90	376.46	6.90	687.87	6.90	990.82	6.90	1334.18								
7.00	376.31	7.00	687.61	7.00	990.45	7.00	1333.70								
7.10	376.16	7.10	687.35	7.10	990.07	7.10	1333.20								
7.20	376.00	7.20	687.07	7.20	989.67	7.20	1332.68								
7.30	375.84	7.30	686.79	7.30	989.27	7.30	1332.15								
7.40	375.67	7.40	686.50	7.40	988.85	7.40	1331.61								
7.50	375.51	7.50	686.20	7.50	988.43	7.50	1331.06								
7.60	375.34	7.60	685.90	7.60	988.00	7.60	1330.50								
7.70	375.17	7.70	685.60	7.70	987.56	7.70	1329.93								
7.80	375.00	7.80	685.29	7.80	987.11	7.80	1329.35								
7.90	374.82	7.90	684.97	7.90	986.66	7.90	1328.76								
8.00	374.65	8.00	684.66	8.00	986.21	8.00	1328.17								
8.10	374.47	8.10	684.33	8.10	985.75	8.10	1327.57								

8.20	374.29	8.20	684.01	8.20	985.28	8.20	1326.97								
8.30	374.11	8.30	683.69	8.30	984.81	8.30	1326.36								
8.40	373.93	8.40	683.36	8.40	984.34	8.40	1325.74								
8.50	373.75	8.50	683.03	8.50	983.87	8.50	1325.12								
8.60	373.57	8.60	682.69	8.60	983.39	8.60	1324.50								
8.70	373.39	8.70	682.36	8.70	982.91	8.70	1323.88								
8.80	373.21	8.80	682.03	8.80	982.43	8.80	1323.25								
8.90	373.02	8.90	681.69	8.90	981.95	8.90	1322.62								
9.00	372.84	9.00	681.35	9.00	981.46	9.00	1321.99								
9.10	372.66	9.10	681.02	9.10	980.98	9.10	1321.36								
9.20	372.47	9.20	680.68	9.20	980.49	9.20	1320.73								
9.30	372.29	9.30	680.34	9.30	980.00	9.30	1320.10								
9.40	372.11	9.40	680.00	9.40	979.52	9.40	1319.46								
9.50	371.93	9.50	679.66	9.50	979.03	9.50	1318.83								
9.60	371.74	9.60	679.33	9.60	978.54	9.60	1318.20								
9.70	371.56	9.70	678.99	9.70	978.06	9.70	1317.56								
9.80	371.38	9.80	678.65	9.80	977.57	9.80	1316.93								
9.90	371.20	9.90	678.31	9.90	977.09	9.90	1316.30								
10.00	371.02	10.00	677.98	10.00	976.60	10.00	1315.67								
10.10	370.84	10.10	677.64	10.10	976.12	10.10	1315.04								
10.20	370.66	10.20	677.30	10.20	975.64	10.20	1314.41								
10.30	370.48	10.30	676.97	10.30	975.15	10.30	1313.78								
10.40	370.30	10.40	676.64	10.40	974.67	10.40	1313.16								
10.50	370.12	10.50	676.30	10.50	974.19	10.50	1312.53								
10.60	369.94	10.60	675.97	10.60	973.72	10.60	1311.91								

10.70	369.77	10.70	675.64	10.70	973.24	10.70	1311.29								
10.80	369.59	10.80	675.31	10.80	972.76	10.80	1310.67								
10.90	369.42	10.90	674.98	10.90	972.29	10.90	1310.06								
11.00	369.24	11.00	674.65	11.00	971.82	11.00	1309.44								
11.10	369.07	11.10	674.33	11.10	971.35	11.10	1308.83								
11.20	368.89	11.20	674.00	11.20	970.88	11.20	1308.22								
11.30	368.72	11.30	673.68	11.30	970.42	11.30	1307.62								
11.40	368.55	11.40	673.36	11.40	969.95	11.40	1307.01								
11.50	368.38	11.50	673.03	11.50	969.49	11.50	1306.41								
11.60	368.21	11.60	672.71	11.60	969.03	11.60	1305.81								
11.70	368.04	11.70	672.40	11.70	968.57	11.70	1305.21								
11.80	367.87	11.80	672.08	11.80	968.11	11.80	1304.62								
11.90	367.70	11.90	671.76	11.90	967.66	11.90	1304.03								
12.00	367.54	12.00	671.45	12.00	967.21	12.00	1303.44								
12.10	367.37	12.10	671.14	12.10	966.76	12.10	1302.85								
12.20	367.21	12.20	670.83	12.20	966.31	12.20	1302.27								
12.30	367.04	12.30	670.52	12.30	965.87	12.30	1301.69								
12.40	366.88	12.40	670.21	12.40	965.42	12.40	1301.11								
12.50	366.72	12.50	669.90	12.50	964.98	12.50	1300.54								
12.60	366.55	12.60	669.60	12.60	964.54	12.60	1299.97								
12.70	366.39	12.70	669.30	12.70	964.11	12.70	1299.40								
12.80	366.23	12.80	668.99	12.80	963.67	12.80	1298.83								
12.90	366.08	12.90	668.69	12.90	963.24	12.90	1298.27								
13.00	365.92	13.00	668.40	13.00	962.81	13.00	1297.71								
13.10	365.76	13.10	668.10	13.10	962.38	13.10	1297.15								

13.20	365.60	13.20	667.80	13.20	961.96	13.20	1296.60								
13.30	365.45	13.30	667.51	13.30	961.53	13.30	1296.05								
13.40	365.30	13.40	667.22	13.40	961.11	13.40	1295.50								
13.50	365.14	13.50	666.93	13.50	960.70	13.50	1294.96								
13.60	364.99	13.60	666.64	13.60	960.28	13.60	1294.41								
13.70	364.84	13.70	666.35	13.70	959.87	13.70	1293.87								
13.80	364.69	13.80	666.07	13.80	959.45	13.80	1293.34								
13.90	364.54	13.90	665.78	13.90	959.04	13.90	1292.81								
14.00	364.39	14.00	665.50	14.00	958.64	14.00	1292.28								
14.10	364.24	14.10	665.22	14.10	958.23	14.10	1291.75								
14.20	364.09	14.20	664.94	14.20	957.83	14.20	1291.22								
14.30	363.95	14.30	664.66	14.30	957.43	14.30	1290.70								
14.40	363.80	14.40	664.39	14.40	957.03	14.40	1290.18								
14.50	363.65	14.50	664.11	14.50	956.64	14.50	1289.67								
14.60	363.51	14.60	663.84	14.60	956.24	14.60	1289.16								
14.70	363.37	14.70	663.57	14.70	955.85	14.70	1288.65								
14.80	363.23	14.80	663.30	14.80	955.46	14.80	1288.14								
14.90	363.08	14.90	663.03	14.90	955.08	14.90	1287.64								
15.00	362.94	15.00	662.76	15.00	954.69	15.00	1287.13								
15.10	362.80	15.10	662.50	15.10	954.31	15.10	1286.64								
15.20	362.66	15.20	662.23	15.20	953.93	15.20	1286.14								
15.30	362.53	15.30	661.97	15.30	953.55	15.30	1285.65								
15.40	362.39	15.40	661.71	15.40	953.18	15.40	1285.16								
15.50	362.25	15.50	661.45	15.50	952.80	15.50	1284.67								
15.60	362.12	15.60	661.19	15.60	952.43	15.60	1284.19								

15.70	361.98	15.70	660.94	15.70	952.06	15.70	1283.71								
15.80	361.85	15.80	660.68	15.80	951.69	15.80	1283.23								
15.90	361.71	15.90	660.43	15.90	951.33	15.90	1282.75								
16.00	361.58	16.00	660.17	16.00	950.97	16.00	1282.28								
16.10	361.45	16.10	659.92	16.10	950.60	16.10	1281.81								
16.20	361.32	16.20	659.68	16.20	950.25	16.20	1281.34								
16.30	361.19	16.30	659.43	16.30	949.89	16.30	1280.87								
16.40	361.06	16.40	659.18	16.40	949.53	16.40	1280.41								
16.50	360.93	16.50	658.94	16.50	949.18	16.50	1279.95								
16.60	360.80	16.60	658.69	16.60	948.83	16.60	1279.49								
16.70	360.68	16.70	658.45	16.70	948.48	16.70	1279.04								
16.80	360.55	16.80	658.21	16.80	948.13	16.80	1278.59								
16.90	360.42	16.90	657.97	16.90	947.79	16.90	1278.14								
17.00	360.30	17.00	657.73	17.00	947.45	17.00	1277.69								
17.10	360.17	17.10	657.50	17.10	947.11	17.10	1277.25								
17.20	360.05	17.20	657.26	17.20	946.77	17.20	1276.80								
17.30	359.93	17.30	657.03	17.30	946.43	17.30	1276.36								
17.40	359.81	17.40	656.79	17.40	946.09	17.40	1275.93								
17.50	359.68	17.50	656.56	17.50	945.76	17.50	1275.49								
17.60	359.56	17.60	656.33	17.60	945.43	17.60	1275.06								
17.70	359.44	17.70	656.10	17.70	945.10	17.70	1274.63								
17.80	359.32	17.80	655.88	17.80	944.77	17.80	1274.20								
17.90	359.20	17.90	655.65	17.90	944.45	17.90	1273.78								
18.00	359.09	18.00	655.43	18.00	944.12	18.00	1273.35								
18.10	358.97	18.10	655.20	18.10	943.80	18.10	1272.93								

18.20	358.85	18.20	654.98	18.20	943.48	18.20	1272.52								
18.30	358.74	18.30	654.76	18.30	943.16	18.30	1272.10								
18.40	358.62	18.40	654.54	18.40	942.84	18.40	1271.69								
18.50	358.51	18.50	654.32	18.50	942.53	18.50	1271.28								
18.60	358.39	18.60	654.10	18.60	942.21	18.60	1270.87								
18.70	358.28	18.70	653.89	18.70	941.90	18.70	1270.46								
18.80	358.17	18.80	653.67	18.80	941.59	18.80	1270.06								
18.90	358.05	18.90	653.46	18.90	941.28	18.90	1269.65								
19.00	357.94	19.00	653.24	19.00	940.98	19.00	1269.26								
19.10	357.83	19.10	653.03	19.10	940.67	19.10	1268.86								
19.20	357.72	19.20	652.82	19.20	940.37	19.20	1268.46								
19.30	357.61	19.30	652.61	19.30	940.07	19.30	1268.07								
19.40	357.50	19.40	652.40	19.40	939.77	19.40	1267.68								
19.50	357.39	19.50	652.20	19.50	939.47	19.50	1267.29								
19.60	357.29	19.60	651.99	19.60	939.17	19.60	1266.90								
19.70	357.18	19.70	651.79	19.70	938.88	19.70	1266.52								
19.80	357.07	19.80	651.58	19.80	938.58	19.80	1266.13								
19.90	356.97	19.90	651.38	19.90	938.29	19.90	1265.75								
20.00	356.86	20.00	651.18	20.00	938.00	20.00	1265.37								
20.10	356.76	20.10	650.98	20.10	937.71	20.10	1265.00								
20.20	356.65	20.20	650.78	20.20	937.43	20.20	1264.62								
20.30	356.55	20.30	650.58	20.30	937.14	20.30	1264.25								
20.40	356.44	20.40	650.38	20.40	936.86	20.40	1263.88								
20.50	356.34	20.50	650.19	20.50	936.57	20.50	1263.51								
20.60	356.24	20.60	649.99	20.60	936.29	20.60	1263.14								

20.70	356.14	20.70	649.80	20.70	936.01	20.70	1262.78								
20.80	356.04	20.80	649.61	20.80	935.73	20.80	1262.42								
20.90	355.94	20.90	649.41	20.90	935.46	20.90	1262.05								
21.00	355.84	21.00	649.22	21.00	935.18	21.00	1261.69								
21.10	355.74	21.10	649.03	21.10	934.91	21.10	1261.34								
21.20	355.64	21.20	648.84	21.20	934.64	21.20	1260.98								
21.30	355.54	21.30	648.66	21.30	934.36	21.30	1260.63								
21.40	355.44	21.40	648.47	21.40	934.10	21.40	1260.28								
21.50	355.34	21.50	648.28	21.50	933.83	21.50	1259.93								
21.60	355.25	21.60	648.10	21.60	933.56	21.60	1259.58								
21.70	355.15	21.70	647.91	21.70	933.29	21.70	1259.23								
21.80	355.05	21.80	647.73	21.80	933.03	21.80	1258.89								
21.90	354.96	21.90	647.55	21.90	932.77	21.90	1258.54								
22.00	354.86	22.00	647.37	22.00	932.51	22.00	1258.20								
22.10	354.77	22.10	647.19	22.10	932.25	22.10	1257.86								
22.20	354.68	22.20	647.01	22.20	931.99	22.20	1257.53								
22.30	354.58	22.30	646.83	22.30	931.73	22.30	1257.19								
22.40	354.49	22.40	646.65	22.40	931.47	22.40	1256.86								
22.50	354.40	22.50	646.47	22.50	931.22	22.50	1256.52								
22.60	354.30	22.60	646.30	22.60	930.97	22.60	1256.19								
22.70	354.21	22.70	646.12	22.70	930.71	22.70	1255.86								
22.80	354.12	22.80	645.95	22.80	930.46	22.80	1255.54								
22.90	354.03	22.90	645.78	22.90	930.21	22.90	1255.21								
23.00	353.94	23.00	645.60	23.00	929.96	23.00	1254.89								
23.10	353.85	23.10	645.43	23.10	929.72	23.10	1254.56								

23.20	353.76	23.20	645.26	23.20	929.47	23.20	1254.24								
23.30	353.67	23.30	645.09	23.30	929.23	23.30	1253.92								
23.40	353.58	23.40	644.92	23.40	928.98	23.40	1253.60								
23.50	353.50	23.50	644.75	23.50	928.74	23.50	1253.29								
23.60	353.41	23.60	644.59	23.60	928.50	23.60	1252.97								
23.70	353.32	23.70	644.42	23.70	928.26	23.70	1252.66								
23.80	353.23	23.80	644.25	23.80	928.02	23.80	1252.35								
23.90	353.15	23.90	644.09	23.90	927.78	23.90	1252.04								
24.00	353.06	24.00	643.93	24.00	927.54	24.00	1251.73								
24.10	352.98	24.10	643.76	24.10	927.31	24.10	1251.42								
24.20	352.89	24.20	643.60	24.20	927.08	24.20	1251.11								
24.30	352.81	24.30	643.44	24.30	926.84	24.30	1250.81								
24.40	352.72	24.40	643.28	24.40	926.61	24.40	1250.51								
24.50	352.64	24.50	643.12	24.50	926.38	24.50	1250.21								
24.60	352.56	24.60	642.96	24.60	926.15	24.60	1249.91								
24.70	352.47	24.70	642.80	24.70	925.92	24.70	1249.61								
24.80	352.39	24.80	642.64	24.80	925.69	24.80	1249.31								
24.90	352.31	24.90	642.48	24.90	925.47	24.90	1249.01								
25.00	352.23	25.00	642.33	25.00	925.24	25.00	1248.72								

The data of Figure 12 (Fc=50%)

Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)
100kPa		200kPa		300kPa		400kPa		100kPa		200kPa		300kPa		400kPa	
Calculated value								Test value							
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	24.57	0.10	50.11	0.10	81.40	0.10	117.57	0.50	136.84	0.50	278.95	0.50	452.63	0.50	647.37
0.20	50.95	0.20	104.18	0.20	168.79	0.20	242.71	1.00	197.37	1.00	415.79	1.00	657.89	1.00	915.79
0.30	76.51	0.30	156.85	0.30	253.46	0.30	362.68	1.50	236.84	1.50	494.74	1.50	784.21	1.50	1073.68
0.40	100.27	0.40	206.05	0.40	332.18	0.40	473.01	2.00	252.63	2.00	526.32	2.00	831.58	2.00	1134.21
0.50	121.84	0.50	250.92	0.50	403.64	0.50	572.15	2.50	263.16	2.50	547.37	2.50	868.42	2.50	1184.21
0.60	141.15	0.60	291.24	0.60	467.57	0.60	659.98	3.00	271.05	3.00	563.16	3.00	892.11	3.00	1218.42
0.70	158.27	0.70	327.11	0.70	524.25	0.70	737.14	3.50	276.32	3.50	576.32	3.50	913.16	3.50	1242.11
0.80	173.36	0.80	358.83	0.80	574.21	0.80	804.60	4.00	278.95	4.00	581.58	4.00	921.05	4.00	1252.63
0.90	186.62	0.90	386.78	0.90	618.10	0.90	863.42	4.50	281.58	4.50	586.84	4.50	928.95	4.50	1263.16
1.00	198.26	1.00	411.35	1.00	656.60	1.00	914.66	5.00	281.58	5.00	589.47	5.00	934.21	5.00	1271.05
1.10	208.46	1.10	432.94	1.10	690.35	1.10	959.30	5.50	281.58	5.50	592.11	5.50	936.84	5.50	1273.68
1.20	217.40	1.20	451.91	1.20	719.93	1.20	998.21	6.00	284.21	6.00	592.11	6.00	936.84	6.00	1276.32
1.30	225.25	1.30	468.58	1.30	745.89	1.30	1032.16	6.50	284.21	6.50	594.74	6.50	939.47	6.50	1278.95
1.40	232.14	1.40	483.24	1.40	768.69	1.40	1061.84	7.00	284.21	7.00	594.74	7.00	939.47	7.00	1278.95
1.50	238.20	1.50	496.15	1.50	788.74	1.50	1087.81	7.50	284.21	7.50	594.74	7.50	939.47	7.50	1278.95
1.60	243.54	1.60	507.52	1.60	806.38	1.60	1110.58	8.00	284.21	8.00	594.74	8.00	939.47	8.00	1278.95
1.70	248.25	1.70	517.56	1.70	821.94	1.70	1130.58	8.50	284.21	8.50	594.74	8.50	942.11	8.50	1281.58
1.80	252.40	1.80	526.43	1.80	835.68	1.80	1148.16	9.00	284.21	9.00	594.74	9.00	942.11	9.00	1281.58
1.90	256.08	1.90	534.28	1.90	847.82	1.90	1163.64	9.50	284.21	9.50	594.74	9.50	942.11	9.50	1281.58

2.00	259.33	2.00	541.23	2.00	858.56	2.00	1177.30	10.00	281.58	10.00	592.11	10.00	936.84	10.00	1276.32
2.10	262.21	2.10	547.39	2.10	868.07	2.10	1189.35	10.50	281.58	10.50	589.47	10.50	934.21	10.50	1271.05
2.20	264.77	2.20	552.85	2.20	876.51	2.20	1200.00	11.00	281.58	11.00	586.84	11.00	928.95	11.00	1265.79
2.30	267.03	2.30	557.70	2.30	884.00	2.30	1209.42	11.50	278.95	11.50	584.21	11.50	926.32	11.50	1260.53
2.40	269.05	2.40	562.01	2.40	890.65	2.40	1217.75	12.00	278.95	12.00	584.21	12.00	923.68	12.00	1255.26
2.50	270.84	2.50	565.84	2.50	896.55	2.50	1225.13	12.50	276.32	12.50	581.58	12.50	918.42	12.50	1252.63
2.60	272.43	2.60	569.24	2.60	901.80	2.60	1231.65	13.00	276.32	13.00	578.95	13.00	915.79	13.00	1247.37
2.70	273.84	2.70	572.27	2.70	906.46	2.70	1237.43	13.50	276.32	13.50	576.32	13.50	910.53	13.50	1239.47
2.80	275.09	2.80	574.95	2.80	910.60	2.80	1242.55	14.00	273.68	14.00	573.68	14.00	905.26	14.00	1234.21
2.90	276.21	2.90	577.34	2.90	914.27	2.90	1247.07	14.50	273.68	14.50	568.42	14.50	902.63	14.50	1226.32
3.00	277.20	3.00	579.45	3.00	917.53	3.00	1251.06	15.00	271.05	15.00	565.79	15.00	897.37	15.00	1221.05
3.10	278.07	3.10	581.33	3.10	920.42	3.10	1254.58	15.50	271.05	15.50	563.16	15.50	892.11	15.50	1215.79
3.20	278.85	3.20	582.99	3.20	922.97	3.20	1257.68	16.00	268.42	16.00	560.53	16.00	889.47	16.00	1207.89
3.30	279.53	3.30	584.45	3.30	925.23	3.30	1260.40	16.50	268.42	16.50	557.89	16.50	884.21	16.50	1202.63
3.40	280.14	3.40	585.74	3.40	927.21	3.40	1262.78	17.00	265.79	17.00	555.26	17.00	881.58	17.00	1197.37
3.50	280.67	3.50	586.87	3.50	928.96	3.50	1264.85	17.50	265.79	17.50	552.63	17.50	878.95	17.50	1192.11
3.60	281.13	3.60	587.87	3.60	930.48	3.60	1266.66	18.00	263.16	18.00	550.00	18.00	873.68	18.00	1186.84
3.70	281.54	3.70	588.73	3.70	931.81	3.70	1268.21	18.50	263.16	18.50	547.37	18.50	871.05	18.50	1181.58
3.80	281.89	3.80	589.48	3.80	932.96	3.80	1269.54	19.00	260.53	19.00	547.37	19.00	865.79	19.00	1176.32
3.90	282.19	3.90	590.12	3.90	933.95	3.90	1270.67	19.50	260.53	19.50	544.74	19.50	863.16	19.50	1171.05
4.00	282.45	4.00	590.67	4.00	934.80	4.00	1271.62	20.00	260.53	20.00	542.11	20.00	860.53	20.00	1165.79
4.10	282.66	4.10	591.13	4.10	935.51	4.10	1272.40	20.50	257.89	20.50	539.47	20.50	855.26	20.50	1160.53
4.20	282.84	4.20	591.51	4.20	936.10	4.20	1273.03	21.00	257.89	21.00	539.47	21.00	852.63	21.00	1157.89
4.30	282.99	4.30	591.83	4.30	936.58	4.30	1273.53	21.50	257.89	21.50	536.84	21.50	850.00	21.50	1152.63
4.40	283.11	4.40	592.08	4.40	936.97	4.40	1273.91	22.00	255.26	22.00	534.21	22.00	847.37	22.00	1150.00

4.50	283.20	4.50	592.27	4.50	937.26	4.50	1274.17	22.50	255.26	22.50	531.58	22.50	844.74	22.50	1144.74
4.60	283.27	4.60	592.40	4.60	937.47	4.60	1274.33	23.00	255.26	23.00	531.58	23.00	842.11	23.00	1142.11
4.70	283.31	4.70	592.49	4.70	937.61	4.70	1274.40	23.50	255.26	23.50	528.95	23.50	836.84	23.50	1136.84
4.80	283.33	4.80	592.54	4.80	937.68	4.80	1274.39	24.00	252.63	24.00	526.32	24.00	834.21	24.00	1134.21
4.90	283.34	4.90	592.54	4.90	937.68	4.90	1274.30	24.50	252.63	24.50	526.32	24.50	831.58	24.50	1128.95
5.00	283.32	5.00	592.51	5.00	937.63	5.00	1274.14	25.00	252.63	25.00	523.68	25.00	828.95	25.00	1126.32
5.10	283.29	5.10	592.44	5.10	937.53	5.10	1273.92								
5.20	283.25	5.20	592.34	5.20	937.38	5.20	1273.64								
5.30	283.19	5.30	592.22	5.30	937.19	5.30	1273.31								
5.40	283.13	5.40	592.07	5.40	936.96	5.40	1272.93								
5.50	283.05	5.50	591.90	5.50	936.70	5.50	1272.51								
5.60	282.96	5.60	591.70	5.60	936.40	5.60	1272.05								
5.70	282.86	5.70	591.49	5.70	936.07	5.70	1271.56								
5.80	282.76	5.80	591.26	5.80	935.72	5.80	1271.03								
5.90	282.64	5.90	591.01	5.90	935.34	5.90	1270.47								
6.00	282.52	6.00	590.75	6.00	934.94	6.00	1269.89								
6.10	282.40	6.10	590.47	6.10	934.51	6.10	1269.28								
6.20	282.26	6.20	590.19	6.20	934.07	6.20	1268.65								
6.30	282.13	6.30	589.89	6.30	933.62	6.30	1268.00								
6.40	281.98	6.40	589.58	6.40	933.14	6.40	1267.33								
6.50	281.84	6.50	589.27	6.50	932.66	6.50	1266.65								
6.60	281.69	6.60	588.94	6.60	932.16	6.60	1265.95								
6.70	281.54	6.70	588.61	6.70	931.65	6.70	1265.25								
6.80	281.38	6.80	588.27	6.80	931.13	6.80	1264.52								
6.90	281.22	6.90	587.93	6.90	930.60	6.90	1263.79								

7.00	281.06	7.00	587.58	7.00	930.07	7.00	1263.05								
7.10	280.90	7.10	587.23	7.10	929.52	7.10	1262.31								
7.20	280.73	7.20	586.87	7.20	928.97	7.20	1261.55								
7.30	280.57	7.30	586.51	7.30	928.42	7.30	1260.79								
7.40	280.40	7.40	586.15	7.40	927.86	7.40	1260.03								
7.50	280.23	7.50	585.78	7.50	927.29	7.50	1259.26								
7.60	280.06	7.60	585.41	7.60	926.73	7.60	1258.48								
7.70	279.88	7.70	585.04	7.70	926.16	7.70	1257.71								
7.80	279.71	7.80	584.67	7.80	925.58	7.80	1256.93								
7.90	279.54	7.90	584.29	7.90	925.01	7.90	1256.15								
8.00	279.37	8.00	583.92	8.00	924.43	8.00	1255.37								
8.10	279.19	8.10	583.54	8.10	923.85	8.10	1254.59								
8.20	279.02	8.20	583.16	8.20	923.27	8.20	1253.81								
8.30	278.84	8.30	582.79	8.30	922.69	8.30	1253.03								
8.40	278.67	8.40	582.41	8.40	922.12	8.40	1252.25								
8.50	278.49	8.50	582.03	8.50	921.54	8.50	1251.47								
8.60	278.32	8.60	581.66	8.60	920.96	8.60	1250.69								
8.70	278.14	8.70	581.28	8.70	920.38	8.70	1249.91								
8.80	277.97	8.80	580.91	8.80	919.80	8.80	1249.14								
8.90	277.80	8.90	580.53	8.90	919.22	8.90	1248.36								
9.00	277.62	9.00	580.16	9.00	918.65	9.00	1247.59								
9.10	277.45	9.10	579.79	9.10	918.07	9.10	1246.82								
9.20	277.28	9.20	579.41	9.20	917.50	9.20	1246.06								
9.30	277.11	9.30	579.04	9.30	916.93	9.30	1245.29								
9.40	276.93	9.40	578.67	9.40	916.36	9.40	1244.53								

9.50	276.76	9.50	578.31	9.50	915.80	9.50	1243.78								
9.60	276.59	9.60	577.94	9.60	915.23	9.60	1243.02								
9.70	276.42	9.70	577.57	9.70	914.67	9.70	1242.27								
9.80	276.26	9.80	577.21	9.80	914.11	9.80	1241.53								
9.90	276.09	9.90	576.85	9.90	913.55	9.90	1240.79								
10.00	275.92	10.00	576.49	10.00	913.00	10.00	1240.05								
10.10	275.75	10.10	576.13	10.10	912.45	10.10	1239.31								
10.20	275.59	10.20	575.77	10.20	911.90	10.20	1238.58								
10.30	275.42	10.30	575.42	10.30	911.35	10.30	1237.85								
10.40	275.26	10.40	575.06	10.40	910.81	10.40	1237.13								
10.50	275.10	10.50	574.71	10.50	910.26	10.50	1236.41								
10.60	274.93	10.60	574.36	10.60	909.73	10.60	1235.69								
10.70	274.77	10.70	574.02	10.70	909.19	10.70	1234.98								
10.80	274.61	10.80	573.67	10.80	908.66	10.80	1234.28								
10.90	274.45	10.90	573.33	10.90	908.13	10.90	1233.57								
11.00	274.29	11.00	572.98	11.00	907.60	11.00	1232.87								
11.10	274.14	11.10	572.64	11.10	907.08	11.10	1232.18								
11.20	273.98	11.20	572.31	11.20	906.56	11.20	1231.49								
11.30	273.82	11.30	571.97	11.30	906.04	11.30	1230.80								
11.40	273.67	11.40	571.64	11.40	905.53	11.40	1230.12								
11.50	273.51	11.50	571.30	11.50	905.02	11.50	1229.45								
11.60	273.36	11.60	570.98	11.60	904.51	11.60	1228.77								
11.70	273.21	11.70	570.65	11.70	904.00	11.70	1228.10								
11.80	273.06	11.80	570.32	11.80	903.50	11.80	1227.44								
11.90	272.91	11.90	570.00	11.90	903.00	11.90	1226.78								

12.00	272.76	12.00	569.68	12.00	902.51	12.00	1226.12								
12.10	272.61	12.10	569.36	12.10	902.01	12.10	1225.47								
12.20	272.46	12.20	569.04	12.20	901.53	12.20	1224.83								
12.30	272.31	12.30	568.72	12.30	901.04	12.30	1224.18								
12.40	272.17	12.40	568.41	12.40	900.56	12.40	1223.54								
12.50	272.02	12.50	568.10	12.50	900.08	12.50	1222.91								
12.60	271.88	12.60	567.79	12.60	899.60	12.60	1222.28								
12.70	271.74	12.70	567.48	12.70	899.13	12.70	1221.65								
12.80	271.59	12.80	567.18	12.80	898.65	12.80	1221.03								
12.90	271.45	12.90	566.87	12.90	898.19	12.90	1220.41								
13.00	271.31	13.00	566.57	13.00	897.72	13.00	1219.80								
13.10	271.17	13.10	566.27	13.10	897.26	13.10	1219.19								
13.20	271.04	13.20	565.97	13.20	896.80	13.20	1218.58								
13.30	270.90	13.30	565.68	13.30	896.35	13.30	1217.98								
13.40	270.76	13.40	565.38	13.40	895.89	13.40	1217.39								
13.50	270.63	13.50	565.09	13.50	895.44	13.50	1216.79								
13.60	270.49	13.60	564.80	13.60	895.00	13.60	1216.20								
13.70	270.36	13.70	564.51	13.70	894.55	13.70	1215.62								
13.80	270.22	13.80	564.23	13.80	894.11	13.80	1215.04								
13.90	270.09	13.90	563.94	13.90	893.67	13.90	1214.46								
14.00	269.96	14.00	563.66	14.00	893.24	14.00	1213.88								
14.10	269.83	14.10	563.38	14.10	892.81	14.10	1213.31								
14.20	269.70	14.20	563.10	14.20	892.38	14.20	1212.75								
14.30	269.57	14.30	562.83	14.30	891.95	14.30	1212.18								
14.40	269.44	14.40	562.55	14.40	891.52	14.40	1211.63								

14.50	269.32	14.50	562.28	14.50	891.10	14.50	1211.07								
14.60	269.19	14.60	562.01	14.60	890.68	14.60	1210.52								
14.70	269.06	14.70	561.74	14.70	890.27	14.70	1209.97								
14.80	268.94	14.80	561.47	14.80	889.86	14.80	1209.43								
14.90	268.82	14.90	561.20	14.90	889.45	14.90	1208.89								
15.00	268.69	15.00	560.94	15.00	889.04	15.00	1208.35								
15.10	268.57	15.10	560.68	15.10	888.63	15.10	1207.82								
15.20	268.45	15.20	560.41	15.20	888.23	15.20	1207.29								
15.30	268.33	15.30	560.15	15.30	887.83	15.30	1206.76								
15.40	268.21	15.40	559.90	15.40	887.43	15.40	1206.24								
15.50	268.09	15.50	559.64	15.50	887.04	15.50	1205.72								
15.60	267.97	15.60	559.39	15.60	886.65	15.60	1205.20								
15.70	267.85	15.70	559.13	15.70	886.26	15.70	1204.69								
15.80	267.74	15.80	558.88	15.80	885.87	15.80	1204.18								
15.90	267.62	15.90	558.63	15.90	885.48	15.90	1203.67								
16.00	267.50	16.00	558.39	16.00	885.10	16.00	1203.17								
16.10	267.39	16.10	558.14	16.10	884.72	16.10	1202.67								
16.20	267.28	16.20	557.90	16.20	884.35	16.20	1202.17								
16.30	267.16	16.30	557.65	16.30	883.97	16.30	1201.68								
16.40	267.05	16.40	557.41	16.40	883.60	16.40	1201.19								
16.50	266.94	16.50	557.17	16.50	883.23	16.50	1200.70								
16.60	266.83	16.60	556.93	16.60	882.86	16.60	1200.22								
16.70	266.72	16.70	556.70	16.70	882.49	16.70	1199.74								
16.80	266.61	16.80	556.46	16.80	882.13	16.80	1199.26								
16.90	266.50	16.90	556.23	16.90	881.77	16.90	1198.79								

17.00	266.39	17.00	555.99	17.00	881.41	17.00	1198.32								
17.10	266.28	17.10	555.76	17.10	881.05	17.10	1197.85								
17.20	266.18	17.20	555.53	17.20	880.70	17.20	1197.38								
17.30	266.07	17.30	555.30	17.30	880.35	17.30	1196.92								
17.40	265.96	17.40	555.08	17.40	880.00	17.40	1196.46								
17.50	265.86	17.50	554.85	17.50	879.65	17.50	1196.00								
17.60	265.75	17.60	554.63	17.60	879.30	17.60	1195.55								
17.70	265.65	17.70	554.41	17.70	878.96	17.70	1195.10								
17.80	265.55	17.80	554.18	17.80	878.62	17.80	1194.65								
17.90	265.45	17.90	553.96	17.90	878.28	17.90	1194.20								
18.00	265.34	18.00	553.75	18.00	877.94	18.00	1193.76								
18.10	265.24	18.10	553.53	18.10	877.61	18.10	1193.32								
18.20	265.14	18.20	553.31	18.20	877.28	18.20	1192.88								
18.30	265.04	18.30	553.10	18.30	876.94	18.30	1192.45								
18.40	264.94	18.40	552.89	18.40	876.61	18.40	1192.01								
18.50	264.84	18.50	552.67	18.50	876.29	18.50	1191.58								
18.60	264.75	18.60	552.46	18.60	875.96	18.60	1191.16								
18.70	264.65	18.70	552.25	18.70	875.64	18.70	1190.73								
18.80	264.55	18.80	552.04	18.80	875.32	18.80	1190.31								
18.90	264.45	18.90	551.84	18.90	875.00	18.90	1189.89								
19.00	264.36	19.00	551.63	19.00	874.68	19.00	1189.47								
19.10	264.26	19.10	551.43	19.10	874.37	19.10	1189.06								
19.20	264.17	19.20	551.22	19.20	874.05	19.20	1188.65								
19.30	264.07	19.30	551.02	19.30	873.74	19.30	1188.24								
19.40	263.98	19.40	550.82	19.40	873.43	19.40	1187.83								

19.50	263.89	19.50	550.62	19.50	873.12	19.50	1187.43								
19.60	263.80	19.60	550.42	19.60	872.81	19.60	1187.02								
19.70	263.70	19.70	550.23	19.70	872.51	19.70	1186.62								
19.80	263.61	19.80	550.03	19.80	872.21	19.80	1186.22								
19.90	263.52	19.90	549.83	19.90	871.91	19.90	1185.83								
20.00	263.43	20.00	549.64	20.00	871.61	20.00	1185.44								
20.10	263.34	20.10	549.45	20.10	871.31	20.10	1185.05								
20.20	263.25	20.20	549.26	20.20	871.01	20.20	1184.66								
20.30	263.16	20.30	549.06	20.30	870.72	20.30	1184.27								
20.40	263.07	20.40	548.88	20.40	870.43	20.40	1183.89								
20.50	262.99	20.50	548.69	20.50	870.13	20.50	1183.50								
20.60	262.90	20.60	548.50	20.60	869.84	20.60	1183.12								
20.70	262.81	20.70	548.31	20.70	869.56	20.70	1182.75								
20.80	262.73	20.80	548.13	20.80	869.27	20.80	1182.37								
20.90	262.64	20.90	547.94	20.90	868.99	20.90	1182.00								
21.00	262.55	21.00	547.76	21.00	868.70	21.00	1181.63								
21.10	262.47	21.10	547.58	21.10	868.42	21.10	1181.26								
21.20	262.38	21.20	547.40	21.20	868.14	21.20	1180.89								
21.30	262.30	21.30	547.22	21.30	867.86	21.30	1180.53								
21.40	262.22	21.40	547.04	21.40	867.59	21.40	1180.16								
21.50	262.13	21.50	546.86	21.50	867.31	21.50	1179.80								
21.60	262.05	21.60	546.68	21.60	867.04	21.60	1179.44								
21.70	261.97	21.70	546.51	21.70	866.77	21.70	1179.08								
21.80	261.89	21.80	546.33	21.80	866.49	21.80	1178.73								
21.90	261.81	21.90	546.16	21.90	866.23	21.90	1178.38								

22.00	261.73	22.00	545.98	22.00	865.96	22.00	1178.03								
22.10	261.64	22.10	545.81	22.10	865.69	22.10	1177.68								
22.20	261.56	22.20	545.64	22.20	865.43	22.20	1177.33								
22.30	261.49	22.30	545.47	22.30	865.16	22.30	1176.98								
22.40	261.41	22.40	545.30	22.40	864.90	22.40	1176.64								
22.50	261.33	22.50	545.13	22.50	864.64	22.50	1176.30								
22.60	261.25	22.60	544.96	22.60	864.38	22.60	1175.96								
22.70	261.17	22.70	544.79	22.70	864.12	22.70	1175.62								
22.80	261.09	22.80	544.63	22.80	863.87	22.80	1175.28								
22.90	261.02	22.90	544.46	22.90	863.61	22.90	1174.95								
23.00	260.94	23.00	544.30	23.00	863.36	23.00	1174.61								
23.10	260.86	23.10	544.14	23.10	863.10	23.10	1174.28								
23.20	260.79	23.20	543.97	23.20	862.85	23.20	1173.95								
23.30	260.71	23.30	543.81	23.30	862.60	23.30	1173.63								
23.40	260.64	23.40	543.65	23.40	862.36	23.40	1173.30								
23.50	260.56	23.50	543.49	23.50	862.11	23.50	1172.98								
23.60	260.49	23.60	543.33	23.60	861.86	23.60	1172.65								
23.70	260.41	23.70	543.17	23.70	861.62	23.70	1172.33								
23.80	260.34	23.80	543.01	23.80	861.37	23.80	1172.01								
23.90	260.27	23.90	542.86	23.90	861.13	23.90	1171.70								
24.00	260.19	24.00	542.70	24.00	860.89	24.00	1171.38								
24.10	260.12	24.10	542.55	24.10	860.65	24.10	1171.07								
24.20	260.05	24.20	542.39	24.20	860.41	24.20	1170.75								
24.30	259.98	24.30	542.24	24.30	860.17	24.30	1170.44								
24.40	259.91	24.40	542.09	24.40	859.94	24.40	1170.13								

24.50	259.84	24.50	541.93	24.50	859.70	24.50	1169.82								
24.60	259.77	24.60	541.78	24.60	859.47	24.60	1169.52								
24.70	259.70	24.70	541.63	24.70	859.24	24.70	1169.21								
24.80	259.63	24.80	541.48	24.80	859.01	24.80	1168.91								
24.90	259.56	24.90	541.33	24.90	858.78	24.90	1168.61								
25.00	259.49	25.00	541.18	25.00	858.55	25.00	1168.31								

The data of Figure 12 (Fc=40%)

Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)	Strain (%)	Deviatoric stress(kPa)
100kPa		200kPa		300kPa		400kPa		100kPa		200kPa		300kPa		400kPa	
Calculated value								Test value							
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	16.26	0.10	50.76	0.10	60.37	0.10	98.90	0.50	89.26	0.50	277.18	0.50	342.95	0.50	554.36
0.20	33.20	0.20	103.60	0.20	124.58	0.20	203.38	1.00	126.85	1.00	392.28	1.00	505.03	1.00	805.70
0.30	49.35	0.30	153.90	0.30	187.06	0.30	304.34	1.50	150.34	1.50	465.10	1.50	620.13	1.50	981.88
0.40	64.23	0.40	200.13	0.40	245.77	0.40	398.53	2.00	162.08	2.00	495.64	2.00	662.42	2.00	1042.95
0.50	77.69	0.50	241.85	0.50	299.83	0.50	484.69	2.50	169.13	2.50	523.83	2.50	697.65	2.50	1101.68
0.60	89.73	0.60	279.08	0.60	348.98	0.60	562.54	3.00	173.83	3.00	537.92	3.00	721.14	3.00	1134.56
0.70	100.43	0.70	312.09	0.70	393.32	0.70	632.37	3.50	178.52	3.50	549.66	3.50	737.58	3.50	1162.75
0.80	109.90	0.80	341.26	0.80	433.11	0.80	694.72	4.00	180.87	4.00	559.06	4.00	751.68	4.00	1181.54
0.90	118.28	0.90	367.00	0.90	468.71	0.90	750.24	4.50	183.22	4.50	566.11	4.50	761.07	4.50	1197.99
1.00	125.69	1.00	389.71	1.00	500.50	1.00	799.62	5.00	185.57	5.00	573.15	5.00	770.47	5.00	1212.08
1.10	132.24	1.10	409.75	1.10	528.88	1.10	843.52	5.50	187.92	5.50	577.85	5.50	777.52	5.50	1221.48
1.20	138.04	1.20	427.46	1.20	554.20	1.20	882.57	6.00	190.27	6.00	580.20	6.00	784.56	6.00	1230.87
1.30	143.18	1.30	443.13	1.30	576.82	1.30	917.33	6.50	190.27	6.50	582.55	6.50	786.91	6.50	1235.57

1.40	147.74	1.40	457.02	1.40	597.03	1.40	948.31	7.00	190.27	7.00	584.90	7.00	789.26	7.00	1237.92
1.50	151.80	1.50	469.35	1.50	615.11	1.50	975.95	7.50	190.27	7.50	584.90	7.50	789.26	7.50	1240.27
1.60	155.42	1.60	480.32	1.60	631.30	1.60	1000.65	8.00	190.27	8.00	584.90	8.00	789.26	8.00	1237.92
1.70	158.65	1.70	490.10	1.70	645.83	1.70	1022.75	8.50	190.27	8.50	582.55	8.50	786.91	8.50	1237.92
1.80	161.54	1.80	498.83	1.80	658.87	1.80	1042.56	9.00	190.27	9.00	582.55	9.00	786.91	9.00	1235.57
1.90	164.12	1.90	506.64	1.90	670.59	1.90	1060.34	9.50	190.27	9.50	582.55	9.50	786.91	9.50	1235.57
2.00	166.44	2.00	513.64	2.00	681.15	2.00	1076.32	10.00	190.27	10.00	582.55	10.00	786.91	10.00	1235.57
2.10	168.53	2.10	519.92	2.10	690.67	2.10	1090.70	10.50	190.27	10.50	582.55	10.50	784.56	10.50	1233.22
2.20	170.41	2.20	525.56	2.20	699.26	2.20	1103.66	11.00	190.27	11.00	580.20	11.00	784.56	11.00	1233.22
2.30	172.10	2.30	530.64	2.30	707.02	2.30	1115.36	11.50	190.27	11.50	580.20	11.50	782.21	11.50	1230.87
2.40	173.63	2.40	535.22	2.40	714.04	2.40	1125.93	12.00	190.27	12.00	580.20	12.00	782.21	12.00	1230.87
2.50	175.01	2.50	539.36	2.50	720.40	2.50	1135.48	12.50	190.27	12.50	580.20	12.50	782.21	12.50	1230.87
2.60	176.26	2.60	543.09	2.60	726.16	2.60	1144.14	13.00	187.92	13.00	577.85	13.00	782.21	13.00	1228.52
2.70	177.39	2.70	546.47	2.70	731.39	2.70	1151.98	13.50	187.92	13.50	577.85	13.50	779.87	13.50	1226.17
2.80	178.41	2.80	549.52	2.80	736.14	2.80	1159.09	14.00	187.92	14.00	577.85	14.00	777.52	14.00	1223.83
2.90	179.34	2.90	552.29	2.90	740.45	2.90	1165.54	14.50	185.57	14.50	573.15	14.50	775.17	14.50	1219.13
3.00	180.19	3.00	554.80	3.00	744.37	3.00	1171.40	15.00	185.57	15.00	570.81	15.00	770.47	15.00	1212.08
3.10	180.96	3.10	557.08	3.10	747.93	3.10	1176.72	15.50	185.57	15.50	568.46	15.50	768.12	15.50	1207.38
3.20	181.65	3.20	559.14	3.20	751.17	3.20	1181.55	16.00	183.22	16.00	566.11	16.00	763.42	16.00	1200.34
3.30	182.29	3.30	561.01	3.30	754.12	3.30	1185.95	16.50	183.22	16.50	563.76	16.50	761.07	16.50	1195.64
3.40	182.86	3.40	562.71	3.40	756.80	3.40	1189.94	17.00	183.22	17.00	561.41	17.00	756.38	17.00	1188.59
3.50	183.38	3.50	564.25	3.50	759.24	3.50	1193.57	17.50	180.87	17.50	559.06	17.50	754.03	17.50	1183.89
3.60	183.86	3.60	565.65	3.60	761.46	3.60	1196.87	18.00	180.87	18.00	556.71	18.00	749.33	18.00	1176.85
3.70	184.29	3.70	566.92	3.70	763.48	3.70	1199.87	18.50	180.87	18.50	554.36	18.50	746.98	18.50	1172.15
3.80	184.69	3.80	568.06	3.80	765.31	3.80	1202.59	19.00	178.52	19.00	552.01	19.00	742.28	19.00	1165.10

3.90	185.04	3.90	569.10	3.90	766.98	3.90	1205.06	19.50	178.52	19.50	549.66	19.50	739.93	19.50	1160.40
4.00	185.37	4.00	570.04	4.00	768.49	4.00	1207.29	20.00	178.52	20.00	544.97	20.00	735.23	20.00	1155.70
4.10	185.66	4.10	570.89	4.10	769.86	4.10	1209.32	20.50	176.17	20.50	542.62	20.50	730.54	20.50	1148.66
4.20	185.92	4.20	571.66	4.20	771.10	4.20	1211.15	21.00	176.17	21.00	540.27	21.00	728.19	21.00	1141.61
4.30	186.16	4.30	572.35	4.30	772.23	4.30	1212.80	21.50	176.17	21.50	537.92	21.50	723.49	21.50	1136.91
4.40	186.38	4.40	572.97	4.40	773.24	4.40	1214.29	22.00	173.83	22.00	533.22	22.00	718.79	22.00	1129.87
4.50	186.57	4.50	573.52	4.50	774.15	4.50	1215.63	22.50	173.83	22.50	530.87	22.50	716.44	22.50	1125.17
4.60	186.75	4.60	574.02	4.60	774.97	4.60	1216.83	23.00	171.48	23.00	528.52	23.00	711.74	23.00	1118.12
4.70	186.90	4.70	574.46	4.70	775.70	4.70	1217.90	23.50	171.48	23.50	526.17	23.50	707.05	23.50	1113.42
4.80	187.04	4.80	574.85	4.80	776.36	4.80	1218.85	24.00	171.48	24.00	523.83	24.00	702.35	24.00	1106.38
4.90	187.17	4.90	575.20	4.90	776.94	4.90	1219.70	24.50	169.13	24.50	519.13	24.50	700.00	24.50	1101.68
5.00	187.28	5.00	575.50	5.00	777.45	5.00	1220.44	25.00	169.13	25.00	516.78	25.00	695.30	25.00	1094.63
5.10	187.37	5.10	575.76	5.10	777.90	5.10	1221.10								
5.20	187.46	5.20	575.99	5.20	778.29	5.20	1221.66								
5.30	187.53	5.30	576.18	5.30	778.63	5.30	1222.15								
5.40	187.59	5.40	576.34	5.40	778.92	5.40	1222.56								
5.50	187.64	5.50	576.47	5.50	779.17	5.50	1222.90								
5.60	187.69	5.60	576.58	5.60	779.37	5.60	1223.18								
5.70	187.72	5.70	576.66	5.70	779.53	5.70	1223.41								
5.80	187.75	5.80	576.71	5.80	779.66	5.80	1223.57								
5.90	187.77	5.90	576.75	5.90	779.75	5.90	1223.69								
6.00	187.78	6.00	576.77	6.00	779.81	6.00	1223.76								
6.10	187.79	6.10	576.76	6.10	779.84	6.10	1223.79								
6.20	187.79	6.20	576.74	6.20	779.84	6.20	1223.77								
6.30	187.78	6.30	576.71	6.30	779.82	6.30	1223.72								

6.40	187.77	6.40	576.66	6.40	779.78	6.40	1223.63								
6.50	187.76	6.50	576.59	6.50	779.71	6.50	1223.51								
6.60	187.74	6.60	576.52	6.60	779.62	6.60	1223.37								
6.70	187.72	6.70	576.43	6.70	779.51	6.70	1223.19								
6.80	187.69	6.80	576.33	6.80	779.39	6.80	1222.98								
6.90	187.66	6.90	576.22	6.90	779.25	6.90	1222.76								
7.00	187.63	7.00	576.10	7.00	779.09	7.00	1222.51								
7.10	187.59	7.10	575.97	7.10	778.92	7.10	1222.24								
7.20	187.55	7.20	575.84	7.20	778.74	7.20	1221.95								
7.30	187.51	7.30	575.69	7.30	778.54	7.30	1221.64								
7.40	187.46	7.40	575.54	7.40	778.33	7.40	1221.31								
7.50	187.42	7.50	575.39	7.50	778.12	7.50	1220.97								
7.60	187.37	7.60	575.22	7.60	777.89	7.60	1220.62								
7.70	187.32	7.70	575.06	7.70	777.65	7.70	1220.25								
7.80	187.27	7.80	574.88	7.80	777.41	7.80	1219.87								
7.90	187.21	7.90	574.70	7.90	777.15	7.90	1219.47								
8.00	187.16	8.00	574.52	8.00	776.89	8.00	1219.07								
8.10	187.10	8.10	574.34	8.10	776.63	8.10	1218.66								
8.20	187.04	8.20	574.14	8.20	776.35	8.20	1218.23								
8.30	186.98	8.30	573.95	8.30	776.07	8.30	1217.80								
8.40	186.92	8.40	573.75	8.40	775.79	8.40	1217.37								
8.50	186.86	8.50	573.55	8.50	775.50	8.50	1216.92								
8.60	186.80	8.60	573.35	8.60	775.21	8.60	1216.47								
8.70	186.73	8.70	573.15	8.70	774.91	8.70	1216.01								
8.80	186.67	8.80	572.94	8.80	774.61	8.80	1215.55								

8.90	186.60	8.90	572.73	8.90	774.30	8.90	1215.08								
9.00	186.54	9.00	572.52	9.00	773.99	9.00	1214.61								
9.10	186.47	9.10	572.31	9.10	773.68	9.10	1214.13								
9.20	186.40	9.20	572.09	9.20	773.37	9.20	1213.65								
9.30	186.34	9.30	571.88	9.30	773.05	9.30	1213.17								
9.40	186.27	9.40	571.66	9.40	772.74	9.40	1212.68								
9.50	186.20	9.50	571.44	9.50	772.42	9.50	1212.19								
9.60	186.13	9.60	571.22	9.60	772.09	9.60	1211.70								
9.70	186.06	9.70	571.00	9.70	771.77	9.70	1211.21								
9.80	185.99	9.80	570.79	9.80	771.45	9.80	1210.71								
9.90	185.92	9.90	570.56	9.90	771.12	9.90	1210.21								
10.00	185.85	10.00	570.34	10.00	770.80	10.00	1209.72								
10.10	185.78	10.10	570.12	10.10	770.47	10.10	1209.22								
10.20	185.71	10.20	569.90	10.20	770.14	10.20	1208.72								
10.30	185.64	10.30	569.68	10.30	769.81	10.30	1208.22								
10.40	185.57	10.40	569.46	10.40	769.49	10.40	1207.71								
10.50	185.50	10.50	569.24	10.50	769.16	10.50	1207.21								
10.60	185.43	10.60	569.01	10.60	768.83	10.60	1206.71								
10.70	185.36	10.70	568.79	10.70	768.50	10.70	1206.21								
10.80	185.29	10.80	568.57	10.80	768.17	10.80	1205.71								
10.90	185.22	10.90	568.35	10.90	767.84	10.90	1205.21								
11.00	185.15	11.00	568.13	11.00	767.51	11.00	1204.71								
11.10	185.08	11.10	567.91	11.10	767.18	11.10	1204.21								
11.20	185.01	11.20	567.69	11.20	766.86	11.20	1203.71								
11.30	184.94	11.30	567.47	11.30	766.53	11.30	1203.21								

11.40	184.87	11.40	567.25	11.40	766.20	11.40	1202.71								
11.50	184.80	11.50	567.03	11.50	765.88	11.50	1202.22								
11.60	184.73	11.60	566.81	11.60	765.55	11.60	1201.72								
11.70	184.66	11.70	566.59	11.70	765.23	11.70	1201.23								
11.80	184.59	11.80	566.37	11.80	764.90	11.80	1200.73								
11.90	184.52	11.90	566.16	11.90	764.58	11.90	1200.24								
12.00	184.45	12.00	565.94	12.00	764.26	12.00	1199.75								
12.10	184.38	12.10	565.72	12.10	763.93	12.10	1199.26								
12.20	184.31	12.20	565.51	12.20	763.61	12.20	1198.77								
12.30	184.25	12.30	565.30	12.30	763.29	12.30	1198.29								
12.40	184.18	12.40	565.08	12.40	762.98	12.40	1197.80								
12.50	184.11	12.50	564.87	12.50	762.66	12.50	1197.32								
12.60	184.04	12.60	564.66	12.60	762.34	12.60	1196.84								
12.70	183.97	12.70	564.45	12.70	762.03	12.70	1196.36								
12.80	183.91	12.80	564.24	12.80	761.71	12.80	1195.88								
12.90	183.84	12.90	564.03	12.90	761.40	12.90	1195.41								
13.00	183.77	13.00	563.82	13.00	761.09	13.00	1194.93								
13.10	183.71	13.10	563.61	13.10	760.78	13.10	1194.46								
13.20	183.64	13.20	563.40	13.20	760.47	13.20	1193.99								
13.30	183.57	13.30	563.20	13.30	760.16	13.30	1193.52								
13.40	183.51	13.40	562.99	13.40	759.85	13.40	1193.06								
13.50	183.44	13.50	562.79	13.50	759.55	13.50	1192.59								
13.60	183.38	13.60	562.58	13.60	759.24	13.60	1192.13								
13.70	183.31	13.70	562.38	13.70	758.94	13.70	1191.67								
13.80	183.25	13.80	562.18	13.80	758.64	13.80	1191.21								

13.90	183.18	13.90	561.98	13.90	758.34	13.90	1190.75								
14.00	183.12	14.00	561.78	14.00	758.04	14.00	1190.30								
14.10	183.05	14.10	561.58	14.10	757.74	14.10	1189.85								
14.20	182.99	14.20	561.38	14.20	757.44	14.20	1189.40								
14.30	182.93	14.30	561.19	14.30	757.15	14.30	1188.95								
14.40	182.86	14.40	560.99	14.40	756.85	14.40	1188.50								
14.50	182.80	14.50	560.79	14.50	756.56	14.50	1188.06								
14.60	182.74	14.60	560.60	14.60	756.27	14.60	1187.62								
14.70	182.68	14.70	560.41	14.70	755.98	14.70	1187.18								
14.80	182.62	14.80	560.21	14.80	755.69	14.80	1186.74								
14.90	182.55	14.90	560.02	14.90	755.41	14.90	1186.30								
15.00	182.49	15.00	559.83	15.00	755.12	15.00	1185.87								
15.10	182.43	15.10	559.64	15.10	754.84	15.10	1185.44								
15.20	182.37	15.20	559.45	15.20	754.55	15.20	1185.01								
15.30	182.31	15.30	559.27	15.30	754.27	15.30	1184.58								
15.40	182.25	15.40	559.08	15.40	753.99	15.40	1184.16								
15.50	182.19	15.50	558.89	15.50	753.71	15.50	1183.73								
15.60	182.13	15.60	558.71	15.60	753.44	15.60	1183.31								
15.70	182.07	15.70	558.52	15.70	753.16	15.70	1182.89								
15.80	182.01	15.80	558.34	15.80	752.88	15.80	1182.48								
15.90	181.95	15.90	558.16	15.90	752.61	15.90	1182.06								
16.00	181.89	16.00	557.98	16.00	752.34	16.00	1181.65								
16.10	181.84	16.10	557.80	16.10	752.07	16.10	1181.24								
16.20	181.78	16.20	557.62	16.20	751.80	16.20	1180.83								
16.30	181.72	16.30	557.44	16.30	751.53	16.30	1180.42								

16.40	181.66	16.40	557.26	16.40	751.26	16.40	1180.02								
16.50	181.61	16.50	557.08	16.50	751.00	16.50	1179.62								
16.60	181.55	16.60	556.91	16.60	750.74	16.60	1179.22								
16.70	181.49	16.70	556.73	16.70	750.47	16.70	1178.82								
16.80	181.44	16.80	556.56	16.80	750.21	16.80	1178.42								
16.90	181.38	16.90	556.39	16.90	749.95	16.90	1178.03								
17.00	181.33	17.00	556.21	17.00	749.69	17.00	1177.63								
17.10	181.27	17.10	556.04	17.10	749.44	17.10	1177.24								
17.20	181.22	17.20	555.87	17.20	749.18	17.20	1176.86								
17.30	181.16	17.30	555.70	17.30	748.93	17.30	1176.47								
17.40	181.11	17.40	555.53	17.40	748.67	17.40	1176.08								
17.50	181.05	17.50	555.37	17.50	748.42	17.50	1175.70								
17.60	181.00	17.60	555.20	17.60	748.17	17.60	1175.32								
17.70	180.94	17.70	555.03	17.70	747.92	17.70	1174.94								
17.80	180.89	17.80	554.87	17.80	747.67	17.80	1174.57								
17.90	180.84	17.90	554.70	17.90	747.42	17.90	1174.19								
18.00	180.78	18.00	554.54	18.00	747.18	18.00	1173.82								
18.10	180.73	18.10	554.38	18.10	746.93	18.10	1173.45								
18.20	180.68	18.20	554.21	18.20	746.69	18.20	1173.08								
18.30	180.63	18.30	554.05	18.30	746.45	18.30	1172.71								
18.40	180.58	18.40	553.89	18.40	746.21	18.40	1172.35								
18.50	180.52	18.50	553.73	18.50	745.97	18.50	1171.98								
18.60	180.47	18.60	553.57	18.60	745.73	18.60	1171.62								
18.70	180.42	18.70	553.42	18.70	745.49	18.70	1171.26								
18.80	180.37	18.80	553.26	18.80	745.26	18.80	1170.90								

18.90	180.32	18.90	553.10	18.90	745.02	18.90	1170.55								
19.00	180.27	19.00	552.95	19.00	744.79	19.00	1170.19								
19.10	180.22	19.10	552.79	19.10	744.55	19.10	1169.84								
19.20	180.17	19.20	552.64	19.20	744.32	19.20	1169.49								
19.30	180.12	19.30	552.48	19.30	744.09	19.30	1169.14								
19.40	180.07	19.40	552.33	19.40	743.86	19.40	1168.79								
19.50	180.02	19.50	552.18	19.50	743.64	19.50	1168.45								
19.60	179.97	19.60	552.03	19.60	743.41	19.60	1168.10								
19.70	179.92	19.70	551.88	19.70	743.18	19.70	1167.76								
19.80	179.88	19.80	551.73	19.80	742.96	19.80	1167.42								
19.90	179.83	19.90	551.58	19.90	742.74	19.90	1167.08								
20.00	179.78	20.00	551.43	20.00	742.51	20.00	1166.74								
20.10	179.73	20.10	551.28	20.10	742.29	20.10	1166.41								
20.20	179.68	20.20	551.14	20.20	742.07	20.20	1166.07								
20.30	179.64	20.30	550.99	20.30	741.85	20.30	1165.74								
20.40	179.59	20.40	550.85	20.40	741.63	20.40	1165.41								
20.50	179.54	20.50	550.70	20.50	741.42	20.50	1165.08								
20.60	179.50	20.60	550.56	20.60	741.20	20.60	1164.75								
20.70	179.45	20.70	550.42	20.70	740.99	20.70	1164.43								
20.80	179.40	20.80	550.27	20.80	740.77	20.80	1164.11								
20.90	179.36	20.90	550.13	20.90	740.56	20.90	1163.78								
21.00	179.31	21.00	549.99	21.00	740.35	21.00	1163.46								
21.10	179.27	21.10	549.85	21.10	740.14	21.10	1163.14								
21.20	179.22	21.20	549.71	21.20	739.93	21.20	1162.82								
21.30	179.18	21.30	549.57	21.30	739.72	21.30	1162.51								

21.40	179.13	21.40	549.44	21.40	739.51	21.40	1162.19								
21.50	179.09	21.50	549.30	21.50	739.31	21.50	1161.88								
21.60	179.04	21.60	549.16	21.60	739.10	21.60	1161.57								
21.70	179.00	21.70	549.03	21.70	738.90	21.70	1161.26								
21.80	178.96	21.80	548.89	21.80	738.69	21.80	1160.95								
21.90	178.91	21.90	548.75	21.90	738.49	21.90	1160.64								
22.00	178.87	22.00	548.62	22.00	738.29	22.00	1160.34								
22.10	178.82	22.10	548.49	22.10	738.09	22.10	1160.03								
22.20	178.78	22.20	548.35	22.20	737.89	22.20	1159.73								
22.30	178.74	22.30	548.22	22.30	737.69	22.30	1159.43								
22.40	178.70	22.40	548.09	22.40	737.49	22.40	1159.13								
22.50	178.65	22.50	547.96	22.50	737.30	22.50	1158.83								
22.60	178.61	22.60	547.83	22.60	737.10	22.60	1158.53								
22.70	178.57	22.70	547.70	22.70	736.91	22.70	1158.24								
22.80	178.53	22.80	547.57	22.80	736.71	22.80	1157.94								
22.90	178.49	22.90	547.44	22.90	736.52	22.90	1157.65								
23.00	178.44	23.00	547.31	23.00	736.33	23.00	1157.36								
23.10	178.40	23.10	547.19	23.10	736.14	23.10	1157.07								
23.20	178.36	23.20	547.06	23.20	735.94	23.20	1156.78								
23.30	178.32	23.30	546.93	23.30	735.76	23.30	1156.49								
23.40	178.28	23.40	546.81	23.40	735.57	23.40	1156.21								
23.50	178.24	23.50	546.68	23.50	735.38	23.50	1155.92								
23.60	178.20	23.60	546.56	23.60	735.19	23.60	1155.64								
23.70	178.16	23.70	546.43	23.70	735.01	23.70	1155.36								
23.80	178.12	23.80	546.31	23.80	734.82	23.80	1155.08								

23.90	178.08	23.90	546.19	23.90	734.64	23.90	1154.80								
24.00	178.04	24.00	546.07	24.00	734.45	24.00	1154.52								
24.10	178.00	24.10	545.95	24.10	734.27	24.10	1154.24								
24.20	177.96	24.20	545.82	24.20	734.09	24.20	1153.97								
24.30	177.92	24.30	545.70	24.30	733.91	24.30	1153.69								
24.40	177.88	24.40	545.58	24.40	733.73	24.40	1153.42								
24.50	177.84	24.50	545.46	24.50	733.55	24.50	1153.15								
24.60	177.81	24.60	545.35	24.60	733.37	24.60	1152.88								
24.70	177.77	24.70	545.23	24.70	733.19	24.70	1152.61								
24.80	177.73	24.80	545.11	24.80	733.02	24.80	1152.34								
24.90	177.69	24.90	544.99	24.90	732.84	24.90	1152.07								
25.00	177.65	25.00	544.88	25.00	732.67	25.00	1151.81								

The data of figure 13

Confining pressure (kPa)	Initial elastic modulud (kPa)	Confining pressure (kPa)	Initial elastic modulud (kPa)	Confining pressure (kPa)	Initial elastic modulud (kPa)	Confining pressure (kPa)	Initial elastic modulud (kPa)	Confining pressure (kPa)	Initial elastic modulud (kPa)
Fc=100%		Fc=83.33%		Fc=71.43%		Fc=50%		Fc=40%	
100.00	155.21	100.00	182.85	100.00	285.55	100.00	197.47	100.00	135.52
200.00	333.22	200.00	388.05	200.00	481.70	200.00	401.61	200.00	422.48
300.00	567.86	300.00	623.44	300.00	692.04	300.00	654.02	300.00	498.26
400.00	704.72	400.00	759.30	400.00	966.18	400.00	946.07	400.00	818.33

The data of figure 14

Confining pressure (kPa)	Initial elastic modulud (kPa)	Confining pressure (kPa)	Initial elastic modulud (kPa)	Confining pressure (kPa)	Initial elastic modulud (kPa)	Confining pressure (kPa)	Initial elastic modulud (kPa)	Confining pressure (kPa)	Initial elastic modulud (kPa)
Fc=100%		Fc=83.33%		Fc=71.43%		Fc=50%		Fc=40%	
100.00	155.21	100.00	182.85	100.00	285.55	100.00	197.47	100.00	135.52
200.00	333.22	200.00	388.05	200.00	481.70	200.00	401.61	200.00	422.48
300.00	567.86	300.00	623.44	300.00	692.04	300.00	654.02	300.00	498.26
400.00	704.72	400.00	759.30	400.00	966.18	400.00	946.07	400.00	818.33

The data of figure 15

Pore radius (μm)	Differential pore volume (cm ³ /g/μm)	Pore radius (μm)	Differential pore volume (cm ³ /g/μm)	Pore radius (μm)	Differential pore volume (cm ³ /g/μm)	Pore radius (μm)	Differential pore volume (cm ³ /g/μm)	Pore radius (μm)	Differential pore volume (cm ³ /g/μm)
Fc=100%		Fc=83.33%		Fc=71.43%		Fc=50%		Fc=40%	
0.00315	0.0032	0.00339	0.00399	0.00339	0.00399	0.00316	0.00235	0.00325	0.00212
0.00364	0.00399	0.00468	0.00558	0.00468	0.00244	0.00339	0.00235	0.00349	0.00188
0.00468	0.00558	0.00624	0.00638	0.00624	0.00403	0.00385	0.00212	0.00391	0.00141
0.00602	0.00716	0.00802	0.00875	0.00861	0.00404	0.00444	0.00165	0.0047	9.41E-04
0.0076	0.01031	0.01049	0.00955	0.01301	0.00564	0.00512	0.00118	0.0055	7.06E-04
0.01031	0.01347	0.01424	0.01192	0.01585	0.00643	0.00582	0.00141	0.0067	2.35E-04
0.0135	0.01662	0.01967	0.01429	0.01931	0.00723	0.007	0.00165	0.00878	9.41E-04
0.01864	0.01821	0.02621	0.01744	0.02395	0.00802	0.00795	0.00141	0.01012	9.41E-04
0.02868	0.02372	0.03753	0.01903	0.02918	0.00803	0.00984	0.00141	0.01134	4.71E-04
0.03822	0.02374	0.0557	0.0214	0.03751	0.00805	0.012	0.00141	0.01344	2.35E-04
0.05673	0.03082	0.07424	0.02534	0.0457	0.00963	0.01571	0.00235	0.01571	7.06E-04

0.08575	0.03947	0.10822	0.02772	0.05668	0.01043	0.02058	0.00282	0.01786	0.00118
0.12284	0.05361	0.14684	0.03166	0.07419	0.01201	0.03431	0.00329	0.02	7.06E-04
0.16082	0.05911	0.18216	0.03716	0.09202	0.01202	0.04825	0.00376	0.02372	0.00118
0.21828	0.06933	0.22594	0.03874	0.11831	0.01517	0.06783	0.00447	0.02583	9.41E-04
0.2433	0.08894	0.33543	0.04739	0.15486	0.01754	0.08275	0.00541	0.02894	7.06E-04
0.27112	0.10228	0.39449	0.06308	0.20269	0.01756	0.09953	0.00518	0.03288	0.00118
0.34267	0.12347	0.48095	0.08113	0.26058	0.01836	0.13221	0.00518	0.03632	0.00212
0.38207	0.15014	0.55569	0.10154	0.3119	0.02621	0.19125	0.00612	0.04069	1.18E-03
0.41832	0.17054	0.65391	0.12978	0.37329	0.03171	0.27665	0.00659	0.04689	7.06E-04
0.46637	0.19486	0.78349	0.16038	0.4388	0.03642	0.41171	0.00729	0.05482	9.41E-04
0.4927	0.21918	0.98907	0.1549	0.53469	0.04271	0.51672	0.00847	0.06409	0.00141
0.69326	0.23253	1.10075	0.14001	0.6286	0.04978	0.63036	0.01106	0.07387	1.18E-03
0.71795	0.21292	1.31536	0.111	0.71294	0.05684	0.76899	0.01718	0.08394	7.06E-04
0.85733	0.16823	1.65868	0.08121	0.76621	0.06312	0.88631	0.02635	0.09538	0.00165
0.96998	0.12039	1.91174	0.0467	0.88457	0.06548	0.96513	0.03247	0.1115	0.00165
1.04083	0.09216	2.1656	0.02632	1.03981	0.0702	1.05095	0.032	0.1197	0.00118
1.22108	0.05295	2.45437	0.01691	1.33659	0.06786	1.21129	0.02988	0.15024	0.00165
1.31093	0.0357	3.04326	0.01144	1.74912	0.06474	1.33787	0.02729	0.20243	0.00212
1.59572	0.01846	3.27143	0.0232	2.01874	0.06082	1.45684	0.02471	0.30993	0.00188
2.54368	0.01378	3.71027	0.02949	2.09059	0.04043	1.60908	0.02306	0.43577	0.00259
3.9834	0.01302	4.43803	0.02244	2.49933	0.02162	1.77723	0.02188	0.56267	0.004
5.21341	0.01225	5.80781	0.01932	2.99009	0.01849	1.96295	0.02071	0.70619	0.00659
6.70237	0.01305	7.46575	0.01776	3.27201	0.02713	2.07766	0.01953	0.80245	0.00941
8.16389	0.01071	9.09437	0.01699	3.71249	0.04282	2.23052	0.01859	0.88631	0.01294
10.12449	0.00915	11.27922	0.017	4.28672	0.0491	2.39464	0.01788	0.96513	0.01812

14.7574	0.00917	14.49906	0.01545	5.41054	0.0397	2.53458	0.01765	1.02153	0.02282
17.657	0.0084	19.31901	0.01389	6.58967	0.03501	2.64487	0.01741	1.16078	0.02141
23.95605	0.00998	24.3889	0.0092	8.78245	0.03895	2.88008	0.01741	1.30041	0.02024
33.68385	0.00765	30.79361	0.00765	10.31395	0.02249	3.04839	0.01788	1.41605	0.01976
45.69399	0.0061	39.58414	0.00609	12.79225	0.02328	3.36694	0.01835	1.54198	0.01953
61.99076	0.00612	61.98858	0.00533	15.30681	0.02408	3.66635	0.01835	1.60908	0.01906
				19.67777	0.02409	3.93611	0.01882	1.72747	0.01812
				26.21191	0.01626	4.16613	0.02047	1.82842	0.01741
				33.68859	0.01079	4.60149	0.02424	2.04837	0.01647
				45.6956	0.00688	5.01069	0.028	2.23052	0.016
				61.99294	0.0069	5.37935	0.03224	2.53458	0.01529
						6.02645	0.03976	2.79944	0.01482
						6.56237	0.05012	2.96304	0.01435
						7.24813	0.05929	3.09198	0.01435
						7.56355	0.06518	3.46392	0.01459
						8.00556	0.072	3.77196	0.01482
						8.35393	0.07553	4.04948	0.01506
						9.09683	0.07694	4.34743	0.01553
						9.49269	0.07694	4.66729	0.016
						10.19112	0.07624	5.15502	0.01694
						11.09739	0.07482	5.61344	0.01812
						11.74592	0.07435	6.20004	0.01976
						12.43234	0.07153	6.94587	0.02094
						12.97336	0.06918	7.67171	0.02282
						13.15888	0.06776	8.96858	0.02659

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