

OneAttension experiment report

Generated with OneAttension Version 3.2 (r5971)

Tue May 16 14:24:49 BST 2023

Experiment info

Name	csg524 Sample 4 Measurement 4
Type	Contact angle
Date	16-May-2023 14:13

Solid

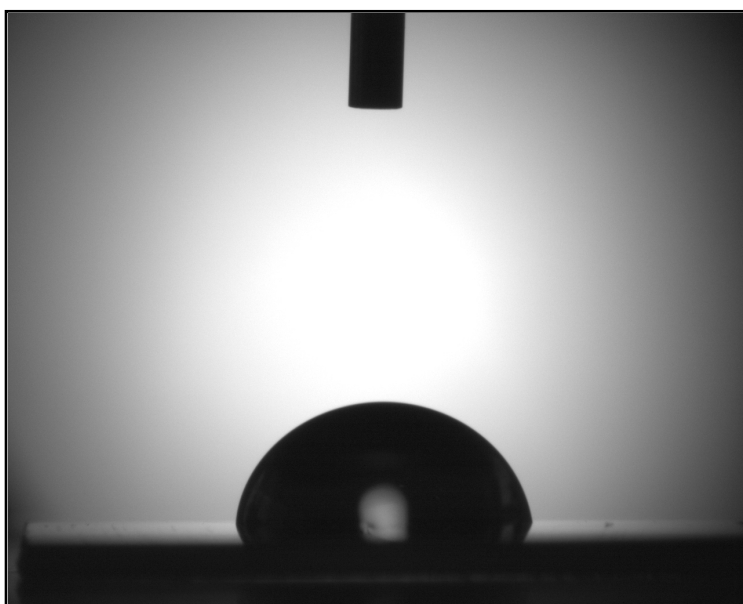
Name	polypropylene untreated
γ_{tot} [mN/m]	25.700
γ_{d} [mN/m]	25.300
γ_{+} [mN/m]	0.090
γ_{-} [mN/m]	0.500
ρ [g/cm ³]	

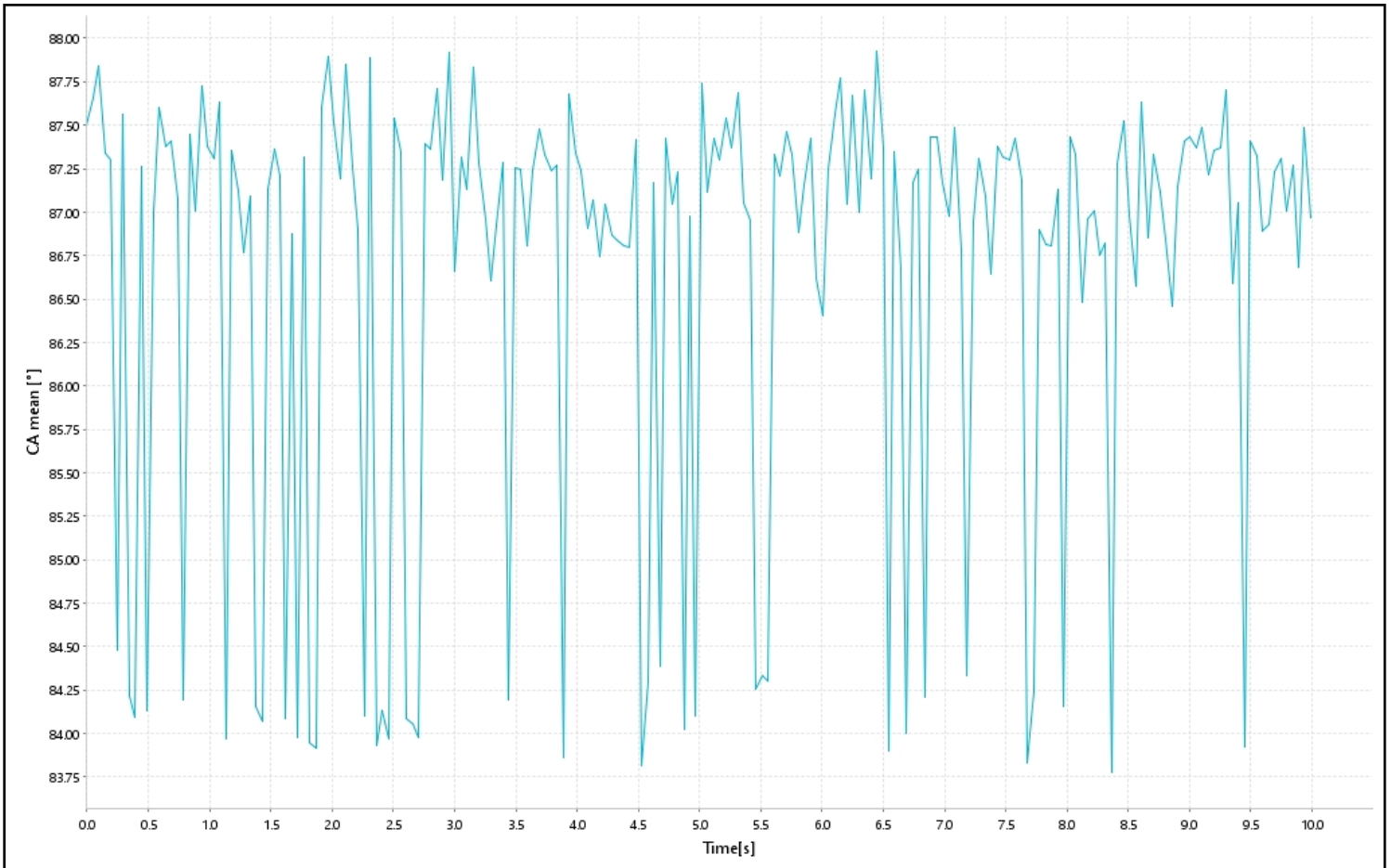
Heavy phase

Name	Water 20 C
γ_{tot} [mN/m]	72.800
γ_{d} [mN/m]	21.800
γ_{+} [mN/m]	25.500
γ_{-} [mN/m]	25.500
ρ [g/cm ³]	0.9980
η [mPa.s]	1.002
Temperature [°C]	20.000
Molecular weight [g/mol]	18.010

Light phase

Name	Air
γ_{tot} [mN/m]	
γ_{d} [mN/m]	
γ_{+} [mN/m]	
γ_{-} [mN/m]	
ρ [g/cm ³]	0.0012
η [mPa.s]	
Temperature [°C]	20.000
Molecular weight [g/mol]	0.029





Detailed results

Time [s]	CA left [°]	CA right [°]	CA mean [°]	Volume [μl]	Baseline [mm]
0.00	89.14	85.87	87.50	0.27	1.10
0.05	89.22	86.09	87.66	0.28	1.10
0.10	89.47	86.22	87.84	0.28	1.10
0.15	88.86	85.83	87.34	0.28	1.10
0.20	88.77	85.83	87.30	0.28	1.10
0.25	85.10	83.85	84.48	0.27	1.10
0.30	89.11	86.01	87.56	0.28	1.10
0.34	84.71	83.72	84.22	0.26	1.10
0.39	84.68	83.50	84.09	0.26	1.10
0.44	88.69	85.83	87.26	0.28	1.10
0.49	84.65	83.61	84.13	0.26	1.10
0.54	88.27	85.70	86.99	0.28	1.10
0.59	89.15	86.05	87.60	0.28	1.10
0.64	88.83	85.93	87.38	0.28	1.10
0.69	88.80	86.02	87.41	0.28	1.10
0.74	88.35	85.81	87.08	0.28	1.10
0.79	84.71	83.67	84.19	0.26	1.10
0.84	88.87	86.02	87.45	0.28	1.10
0.89	88.35	85.67	87.01	0.28	1.10
0.93	89.13	86.31	87.72	0.28	1.10
0.98	88.76	85.99	87.38	0.28	1.10
1.03	88.70	85.92	87.31	0.28	1.10
1.08	89.14	86.12	87.63	0.28	1.10
1.13	84.43	83.51	83.97	0.26	1.10
1.18	88.76	85.96	87.36	0.28	1.10
1.23	88.44	85.81	87.12	0.28	1.10
1.28	87.96	85.57	86.76	0.28	1.10
1.33	88.39	85.80	87.09	0.28	1.10
1.38	84.65	83.66	84.16	0.27	1.10
1.43	84.47	83.67	84.07	0.27	1.10
1.48	88.45	85.82	87.13	0.28	1.10
1.53	88.67	86.05	87.36	0.28	1.10
1.57	88.55	85.87	87.21	0.28	1.10
1.62	84.50	83.68	84.09	0.27	1.10
1.67	88.12	85.63	86.88	0.28	1.10
1.72	84.43	83.53	83.98	0.26	1.10

1.77	88.89	85.74	87.32	0.28	1.10
1.82	84.48	83.41	83.95	0.26	1.10
1.87	84.47	83.37	83.92	0.26	1.10
1.92	89.31	85.89	87.60	0.27	1.10
1.97	89.79	86.00	87.90	0.27	1.10
2.02	89.23	85.80	87.51	0.27	1.10
2.07	88.64	85.75	87.19	0.28	1.10
2.12	89.34	86.37	87.85	0.28	1.10
2.16	88.55	85.97	87.26	0.28	1.10
2.21	87.97	85.83	86.90	0.28	1.10
2.26	84.46	83.75	84.10	0.27	1.10
2.31	89.48	86.29	87.89	0.28	1.10
2.36	84.39	83.48	83.93	0.26	1.10
2.41	84.67	83.59	84.13	0.27	1.10
2.46	84.38	83.56	83.97	0.27	1.10
2.51	88.92	86.15	87.54	0.28	1.10
2.56	88.69	86.01	87.35	0.28	1.10
2.61	84.55	83.63	84.09	0.27	1.10
2.66	84.45	83.65	84.05	0.27	1.10
2.71	84.30	83.66	83.98	0.27	1.10
2.76	88.67	86.11	87.39	0.28	1.10
2.80	88.71	86.01	87.36	0.28	1.10
2.85	89.14	86.27	87.71	0.28	1.10
2.90	88.54	85.82	87.18	0.28	1.10
2.95	89.47	86.37	87.92	0.28	1.10
3.00	87.98	85.35	86.66	0.27	1.10
3.05	88.75	85.88	87.32	0.28	1.10
3.10	88.47	85.78	87.13	0.28	1.10
3.15	89.41	86.26	87.83	0.28	1.10
3.20	88.74	85.82	87.28	0.28	1.10
3.25	88.30	85.62	86.96	0.28	1.10
3.30	87.81	85.39	86.60	0.27	1.10
3.35	88.24	85.60	86.92	0.28	1.10
3.40	88.79	85.78	87.29	0.28	1.10
3.44	84.78	83.61	84.19	0.26	1.10
3.49	88.73	85.78	87.26	0.28	1.10
3.54	88.66	85.82	87.24	0.28	1.10
3.59	87.97	85.64	86.81	0.28	1.10
3.64	88.62	85.86	87.24	0.28	1.10
3.69	89.03	85.93	87.48	0.28	1.10
3.74	88.73	85.93	87.33	0.28	1.10
3.79	88.63	85.84	87.24	0.28	1.10
3.84	88.72	85.82	87.27	0.28	1.10
3.89	84.36	83.36	83.86	0.26	1.10
3.94	89.21	86.16	87.68	0.28	1.10
3.99	88.68	86.01	87.34	0.28	1.10
4.03	88.64	85.83	87.24	0.28	1.10
4.08	88.14	85.67	86.91	0.28	1.10
4.13	88.38	85.76	87.07	0.28	1.10
4.18	87.99	85.49	86.74	0.28	1.10
4.23	88.38	85.71	87.05	0.28	1.10
4.28	88.16	85.58	86.87	0.28	1.10
4.33	88.19	85.48	86.84	0.28	1.10
4.38	88.14	85.47	86.81	0.28	1.10
4.43	88.15	85.45	86.80	0.28	1.10
4.48	88.92	85.92	87.42	0.28	1.10
4.53	84.22	83.42	83.82	0.26	1.10
4.58	84.76	83.83	84.29	0.27	1.10
4.63	88.64	85.70	87.17	0.28	1.10
4.67	85.04	83.73	84.39	0.27	1.10
4.72	88.92	85.93	87.43	0.28	1.10
4.77	88.45	85.64	87.04	0.28	1.10
4.82	88.57	85.88	87.23	0.28	1.10
4.87	84.61	83.45	84.03	0.26	1.10
4.92	88.36	85.58	86.97	0.28	1.10
4.97	84.60	83.59	84.10	0.26	1.10
5.02	89.28	86.20	87.74	0.28	1.10
5.07	88.49	85.74	87.12	0.28	1.10
5.12	88.83	86.03	87.43	0.28	1.10
5.17	88.62	85.98	87.30	0.28	1.10
5.22	89.03	86.05	87.54	0.28	1.10
5.26	88.90	85.84	87.37	0.28	1.10

5.31	89.29	86.08	87.69	0.28	1.10
5.36	88.43	85.68	87.05	0.28	1.10
5.41	88.33	85.58	86.95	0.28	1.10
5.46	84.78	83.73	84.26	0.27	1.10
5.51	84.89	83.77	84.33	0.27	1.10
5.56	84.89	83.72	84.30	0.27	1.10
5.61	88.74	85.92	87.33	0.28	1.10
5.66	88.58	85.84	87.21	0.28	1.10
5.71	89.04	85.90	87.47	0.28	1.10
5.76	88.80	85.86	87.33	0.28	1.10
5.81	88.17	85.60	86.89	0.28	1.10
5.86	88.48	85.83	87.15	0.28	1.10
5.90	88.86	85.99	87.42	0.28	1.10
5.95	87.90	85.34	86.62	0.27	1.10
6.00	87.69	85.12	86.40	0.27	1.10
6.05	88.77	85.72	87.25	0.28	1.10
6.10	89.19	85.94	87.56	0.28	1.10
6.15	89.41	86.14	87.77	0.28	1.10
6.20	88.44	85.65	87.05	0.28	1.10
6.25	89.36	85.99	87.67	0.28	1.10
6.30	88.34	85.66	87.00	0.28	1.10
6.35	89.37	86.03	87.70	0.28	1.10
6.40	88.70	85.69	87.20	0.28	1.10
6.45	89.50	86.34	87.92	0.28	1.10
6.49	88.82	85.93	87.37	0.28	1.10
6.54	84.42	83.38	83.90	0.26	1.10
6.59	88.96	85.74	87.35	0.27	1.10
6.64	88.15	85.21	86.68	0.27	1.10
6.69	84.90	83.10	84.00	0.26	1.10
6.74	88.87	85.47	87.17	0.27	1.10
6.79	88.94	85.55	87.25	0.27	1.10
6.84	84.93	83.49	84.21	0.26	1.10
6.89	89.00	85.87	87.44	0.27	1.10
6.94	89.09	85.77	87.43	0.27	1.10
6.99	88.71	85.62	87.17	0.27	1.10
7.04	88.41	85.54	86.97	0.27	1.10
7.09	89.04	85.94	87.49	0.28	1.10
7.14	88.20	85.37	86.78	0.28	1.10
7.18	84.90	83.77	84.33	0.27	1.10
7.23	88.26	85.63	86.94	0.28	1.10
7.28	88.76	85.85	87.31	0.28	1.10
7.33	88.48	85.70	87.09	0.28	1.10
7.38	87.88	85.41	86.64	0.28	1.10
7.43	88.79	85.97	87.38	0.28	1.10
7.48	88.69	85.94	87.32	0.28	1.10
7.53	88.74	85.86	87.30	0.28	1.10
7.58	88.89	85.96	87.43	0.28	1.10
7.63	88.54	85.83	87.19	0.28	1.10
7.68	84.26	83.40	83.83	0.26	1.10
7.73	84.74	83.73	84.24	0.27	1.10
7.77	88.21	85.59	86.90	0.28	1.10
7.82	88.12	85.51	86.81	0.28	1.10
7.87	88.13	85.48	86.81	0.28	1.10
7.92	88.48	85.77	87.13	0.28	1.10
7.97	84.73	83.57	84.15	0.26	1.10
8.02	88.99	85.87	87.43	0.28	1.10
8.07	88.90	85.77	87.33	0.28	1.10
8.12	87.77	85.20	86.48	0.27	1.10
8.17	88.30	85.61	86.96	0.27	1.10
8.22	88.41	85.60	87.01	0.28	1.10
8.27	87.97	85.54	86.75	0.28	1.10
8.32	88.08	85.57	86.82	0.28	1.10
8.36	84.24	83.31	83.77	0.26	1.10
8.41	88.65	85.90	87.28	0.28	1.10
8.46	88.93	86.12	87.53	0.28	1.10
8.51	88.23	85.74	86.98	0.28	1.10
8.56	87.62	85.53	86.57	0.28	1.10
8.61	89.08	86.18	87.63	0.28	1.10
8.66	87.98	85.73	86.86	0.28	1.10
8.71	88.59	86.07	87.33	0.28	1.10
8.76	88.38	85.84	87.11	0.28	1.10
8.81	88.10	85.60	86.85	0.28	1.10

8.86	87.69	85.23	86.46	0.27	1.10
8.91	88.65	85.64	87.15	0.27	1.10
8.96	88.99	85.82	87.41	0.27	1.10
9.00	88.96	85.90	87.43	0.28	1.10
9.05	88.89	85.85	87.37	0.28	1.10
9.10	88.84	86.13	87.48	0.28	1.10
9.15	88.49	85.94	87.22	0.28	1.10
9.20	88.68	86.03	87.36	0.28	1.10
9.25	88.84	85.90	87.37	0.28	1.10
9.30	89.24	86.16	87.70	0.28	1.10
9.35	87.92	85.25	86.59	0.27	1.10
9.40	88.51	85.60	87.05	0.28	1.10
9.45	84.48	83.37	83.92	0.26	1.10
9.50	88.91	85.92	87.41	0.28	1.10
9.55	88.89	85.75	87.32	0.28	1.10
9.59	88.25	85.53	86.89	0.28	1.10
9.64	88.31	85.56	86.93	0.28	1.10
9.69	88.63	85.83	87.23	0.28	1.10
9.74	88.72	85.90	87.31	0.28	1.10
9.79	88.29	85.72	87.01	0.28	1.10
9.84	88.72	85.82	87.27	0.28	1.10
9.89	87.94	85.43	86.69	0.28	1.10
9.94	89.07	85.90	87.49	0.28	1.10
9.99	88.50	85.44	86.97	0.27	1.10