

OneAttension experiment report

Generated with OneAttension Version 3.2 (r5971)

Thu May 18 15:59:23 BST 2023

Experiment info

Name	csg524 Treated Sample 4 Measurement 5
Type	Contact angle
Date	18-May-2023 15:41

Solid

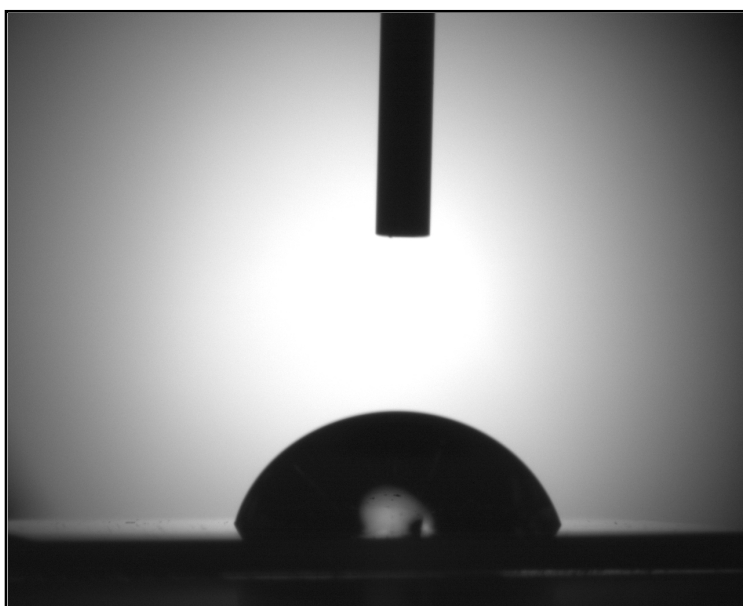
Name	polypropylene untreated
γ_{tot} [mN/m]	25.700
γ_{d} [mN/m]	25.300
γ_{+} [mN/m]	0.090
γ_{-} [mN/m]	0.500
ρ [g/cm ³]	

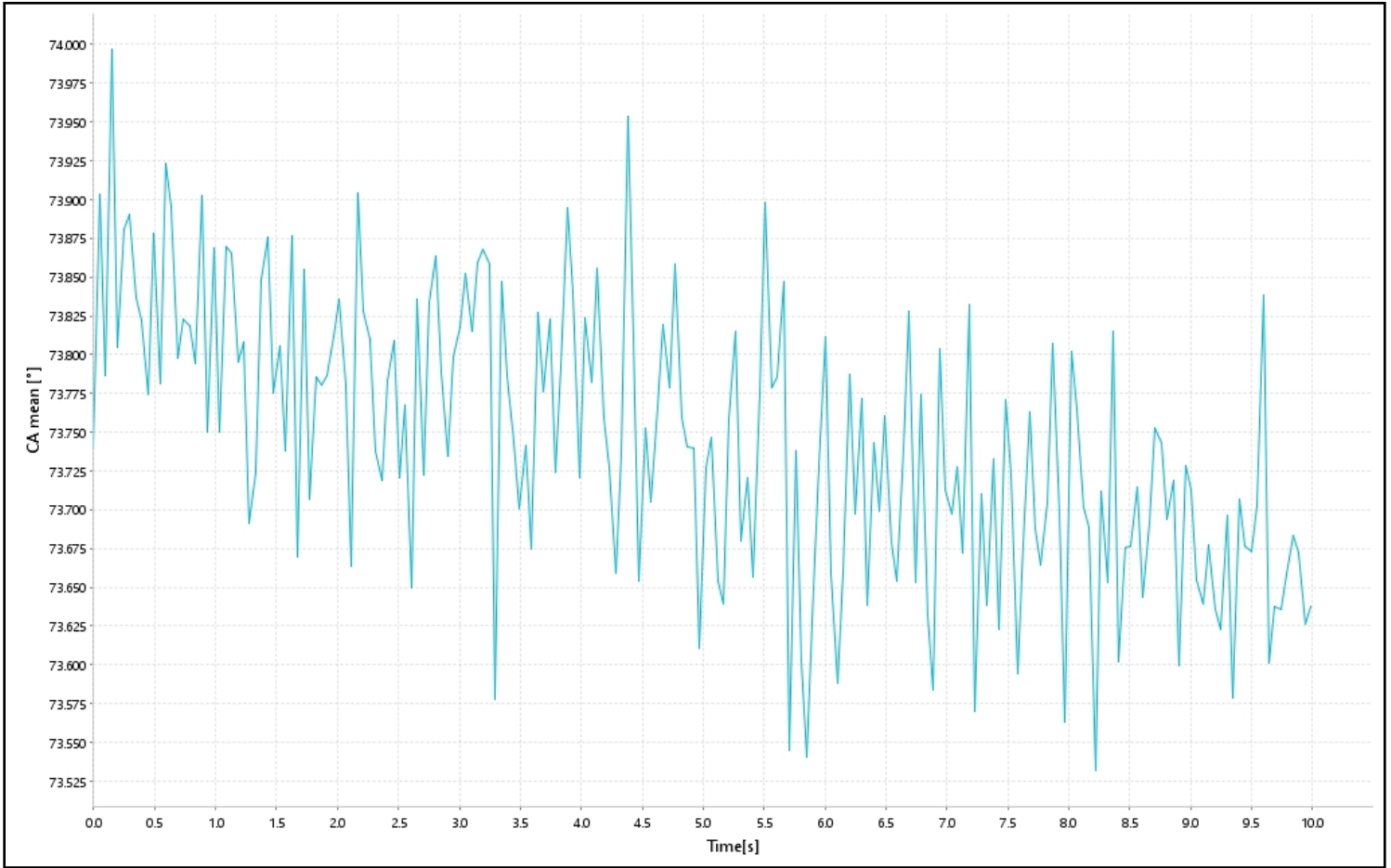
Heavy phase

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	74.13	73.35	73.74	0.28	1.21
0.05	74.24	73.56	73.90	0.28	1.21
0.10	74.15	73.43	73.79	0.28	1.21
0.15	74.42	73.58	74.00	0.28	1.21
0.20	74.28	73.33	73.80	0.28	1.21
0.25	74.38	73.39	73.88	0.27	1.21
0.30	74.43	73.35	73.89	0.27	1.21
0.34	74.24	73.43	73.84	0.27	1.21
0.39	74.14	73.51	73.82	0.28	1.21
0.44	74.03	73.52	73.77	0.28	1.21
0.49	74.45	73.31	73.88	0.27	1.21
0.54	74.59	72.97	73.78	0.26	1.21
0.59	75.02	72.83	73.92	0.25	1.21
0.64	75.09	72.70	73.90	0.25	1.21
0.69	74.85	72.75	73.80	0.25	1.21
0.74	74.69	72.96	73.82	0.26	1.21
0.79	74.22	73.41	73.82	0.27	1.21
0.84	74.03	73.56	73.79	0.28	1.21
0.89	74.08	73.72	73.90	0.28	1.21
0.93	74.05	73.45	73.75	0.28	1.21
0.98	74.36	73.37	73.87	0.28	1.21
1.03	74.28	73.22	73.75	0.27	1.21
1.08	74.43	73.31	73.87	0.27	1.21
1.13	74.34	73.39	73.87	0.27	1.21
1.18	74.29	73.30	73.79	0.27	1.21
1.23	74.42	73.20	73.81	0.27	1.21
1.28	74.26	73.13	73.69	0.27	1.21
1.33	74.19	73.26	73.72	0.27	1.21
1.38	74.27	73.43	73.85	0.28	1.21
1.43	74.16	73.59	73.88	0.28	1.21
1.48	74.12	73.43	73.77	0.28	1.21
1.53	74.17	73.44	73.81	0.28	1.21
1.57	74.05	73.42	73.74	0.28	1.21
1.62	74.27	73.49	73.88	0.28	1.21
1.67	73.95	73.39	73.67	0.28	1.21
1.72	74.29	73.42	73.85	0.28	1.21

1.77	74.23	73.18	73.71	0.27	1.21
1.82	74.14	73.43	73.79	0.28	1.21
1.87	74.14	73.42	73.78	0.28	1.21
1.92	74.15	73.42	73.79	0.28	1.21
1.97	74.18	73.44	73.81	0.28	1.21
2.02	74.19	73.48	73.84	0.28	1.21
2.07	74.00	73.57	73.78	0.28	1.21
2.12	73.97	73.35	73.66	0.28	1.21
2.16	74.30	73.51	73.90	0.28	1.21
2.21	74.31	73.34	73.83	0.27	1.21
2.26	74.62	73.00	73.81	0.26	1.21
2.31	74.56	72.91	73.74	0.26	1.21
2.36	74.35	73.09	73.72	0.27	1.21
2.41	74.33	73.23	73.78	0.27	1.21
2.46	74.29	73.33	73.81	0.28	1.21
2.51	73.93	73.51	73.72	0.28	1.21
2.56	73.94	73.60	73.77	0.28	1.21
2.61	73.92	73.38	73.65	0.28	1.21
2.66	74.22	73.46	73.84	0.28	1.21
2.71	74.08	73.36	73.72	0.28	1.21
2.76	74.28	73.39	73.83	0.28	1.21
2.80	74.36	73.36	73.86	0.28	1.21
2.85	74.26	73.32	73.79	0.27	1.21
2.90	74.13	73.34	73.73	0.27	1.21
2.95	74.22	73.38	73.80	0.27	1.21
3.00	74.26	73.37	73.82	0.28	1.21
3.05	74.20	73.50	73.85	0.28	1.21
3.10	74.18	73.45	73.82	0.28	1.21
3.15	74.22	73.49	73.86	0.28	1.21
3.20	74.25	73.49	73.87	0.28	1.21
3.25	74.26	73.46	73.86	0.28	1.21
3.30	74.00	73.15	73.58	0.27	1.21
3.35	74.28	73.41	73.85	0.28	1.21
3.40	74.22	73.35	73.79	0.27	1.21
3.44	74.21	73.28	73.74	0.27	1.21
3.49	74.08	73.32	73.70	0.27	1.21
3.54	74.07	73.41	73.74	0.28	1.21
3.59	74.08	73.26	73.67	0.27	1.21
3.64	74.24	73.42	73.83	0.28	1.21
3.69	74.19	73.36	73.78	0.28	1.21
3.74	74.22	73.43	73.82	0.28	1.21
3.79	74.18	73.27	73.72	0.28	1.21
3.84	74.16	73.42	73.79	0.28	1.21
3.89	74.34	73.45	73.89	0.27	1.21
3.94	74.32	73.36	73.84	0.28	1.21
3.99	74.10	73.34	73.72	0.27	1.21
4.03	74.26	73.39	73.82	0.28	1.21
4.08	74.23	73.33	73.78	0.27	1.21
4.13	74.27	73.44	73.86	0.28	1.21
4.18	74.17	73.35	73.76	0.27	1.21
4.23	74.15	73.30	73.73	0.28	1.21
4.28	74.06	73.26	73.66	0.27	1.21
4.33	74.10	73.37	73.74	0.28	1.21
4.38	74.38	73.53	73.95	0.28	1.21
4.43	74.18	73.45	73.81	0.28	1.21
4.48	74.10	73.21	73.65	0.27	1.21
4.53	74.12	73.39	73.75	0.28	1.21
4.58	74.07	73.34	73.71	0.28	1.21
4.63	74.14	73.40	73.77	0.27	1.21
4.67	74.23	73.41	73.82	0.27	1.21
4.72	74.27	73.29	73.78	0.27	1.21
4.77	74.30	73.42	73.86	0.28	1.21
4.82	74.15	73.37	73.76	0.28	1.21
4.87	74.20	73.28	73.74	0.28	1.21
4.92	74.12	73.36	73.74	0.28	1.21
4.97	74.05	73.17	73.61	0.27	1.21
5.02	74.15	73.31	73.73	0.27	1.21
5.07	74.20	73.29	73.75	0.28	1.21
5.12	74.12	73.19	73.65	0.27	1.21
5.17	74.07	73.20	73.64	0.27	1.21
5.22	74.17	73.35	73.76	0.27	1.21
5.26	74.18	73.45	73.82	0.28	1.21

5.31	74.12	73.24	73.68	0.27	1.21
5.36	74.18	73.27	73.72	0.28	1.21
5.41	74.08	73.23	73.66	0.27	1.21
5.46	74.20	73.34	73.77	0.28	1.21
5.51	74.37	73.43	73.90	0.28	1.21
5.56	74.31	73.24	73.78	0.27	1.21
5.61	74.23	73.34	73.79	0.28	1.21
5.66	74.27	73.42	73.85	0.28	1.21
5.71	73.93	73.16	73.55	0.27	1.21
5.76	74.17	73.30	73.74	0.28	1.21
5.81	73.96	73.24	73.60	0.28	1.21
5.86	73.95	73.13	73.54	0.27	1.21
5.90	74.05	73.25	73.65	0.27	1.21
5.95	74.20	73.26	73.73	0.28	1.21
6.00	74.24	73.38	73.81	0.27	1.21
6.05	74.09	73.22	73.66	0.27	1.21
6.10	74.02	73.15	73.59	0.27	1.21
6.15	74.10	73.22	73.66	0.27	1.21
6.20	74.24	73.34	73.79	0.27	1.21
6.25	74.11	73.28	73.70	0.28	1.21
6.30	73.72	73.82	73.77	0.29	1.21
6.35	74.03	73.25	73.64	0.27	1.21
6.40	74.23	73.26	73.74	0.27	1.21
6.45	74.10	73.29	73.70	0.27	1.21
6.49	74.14	73.38	73.76	0.28	1.21
6.54	74.13	73.23	73.68	0.28	1.21
6.59	74.04	73.27	73.65	0.27	1.21
6.64	74.11	73.37	73.74	0.28	1.21
6.69	74.25	73.41	73.83	0.28	1.21
6.74	74.06	73.24	73.65	0.27	1.21
6.79	74.31	73.24	73.77	0.27	1.21
6.84	74.05	73.21	73.63	0.27	1.21
6.89	74.04	73.13	73.58	0.27	1.21
6.94	74.15	73.45	73.80	0.28	1.21
6.99	74.12	73.31	73.71	0.27	1.21
7.04	74.09	73.30	73.70	0.27	1.21
7.09	74.13	73.32	73.73	0.27	1.21
7.13	74.16	73.19	73.67	0.27	1.21
7.18	74.31	73.35	73.83	0.28	1.21
7.23	74.04	73.10	73.57	0.27	1.21
7.28	74.16	73.26	73.71	0.27	1.21
7.33	74.03	73.25	73.64	0.28	1.21
7.38	74.16	73.30	73.73	0.27	1.21
7.43	74.08	73.17	73.62	0.27	1.21
7.48	74.23	73.31	73.77	0.27	1.21
7.53	74.12	73.32	73.72	0.28	1.21
7.58	73.94	73.25	73.59	0.27	1.21
7.63	74.14	73.22	73.68	0.28	1.21
7.68	74.19	73.33	73.76	0.28	1.21
7.73	74.11	73.27	73.69	0.28	1.21
7.77	74.12	73.21	73.66	0.27	1.21
7.82	74.20	73.21	73.70	0.27	1.21
7.87	74.34	73.28	73.81	0.27	1.21
7.92	74.11	73.29	73.70	0.28	1.21
7.97	73.96	73.17	73.56	0.27	1.21
8.02	74.28	73.32	73.80	0.28	1.21
8.07	74.21	73.32	73.76	0.27	1.21
8.12	74.19	73.22	73.70	0.27	1.21
8.17	74.13	73.25	73.69	0.27	1.21
8.22	73.98	73.09	73.53	0.27	1.21
8.27	74.10	73.32	73.71	0.28	1.21
8.32	74.02	73.29	73.65	0.27	1.21
8.36	74.23	73.40	73.82	0.28	1.21
8.41	74.00	73.21	73.60	0.27	1.21
8.46	74.10	73.25	73.68	0.27	1.21
8.51	74.07	73.28	73.68	0.27	1.21
8.56	74.14	73.29	73.71	0.27	1.21
8.61	74.10	73.19	73.64	0.27	1.21
8.66	74.08	73.30	73.69	0.28	1.21
8.71	74.21	73.30	73.75	0.28	1.21
8.76	74.12	73.37	73.74	0.28	1.21
8.81	74.16	73.23	73.69	0.28	1.21

8.86	74.11	73.33	73.72	0.28	1.21
8.91	74.06	73.14	73.60	0.27	1.21
8.96	74.20	73.25	73.73	0.27	1.21
9.00	74.21	73.22	73.71	0.28	1.21
9.05	74.06	73.25	73.65	0.27	1.21
9.10	74.00	73.28	73.64	0.28	1.21
9.15	74.07	73.28	73.68	0.28	1.21
9.20	74.05	73.22	73.64	0.28	1.21
9.25	74.09	73.16	73.62	0.28	1.21
9.30	74.10	73.29	73.70	0.27	1.21
9.35	74.08	73.08	73.58	0.27	1.21
9.40	74.18	73.23	73.71	0.27	1.21
9.45	74.13	73.23	73.68	0.28	1.21
9.50	74.00	73.34	73.67	0.28	1.21
9.55	74.11	73.30	73.70	0.28	1.21
9.59	74.29	73.39	73.84	0.28	1.21
9.64	74.01	73.19	73.60	0.27	1.21
9.69	74.03	73.25	73.64	0.27	1.21
9.74	74.06	73.22	73.64	0.27	1.21
9.79	74.07	73.25	73.66	0.27	1.21
9.84	74.12	73.25	73.68	0.27	1.21
9.89	74.09	73.26	73.67	0.27	1.21
9.94	74.06	73.19	73.63	0.27	1.21
9.99	74.16	73.11	73.64	0.27	1.21