

Structure and mid-infrared optical properties of spin-coated polyethylene films developed for integrated photonics applications: supplement

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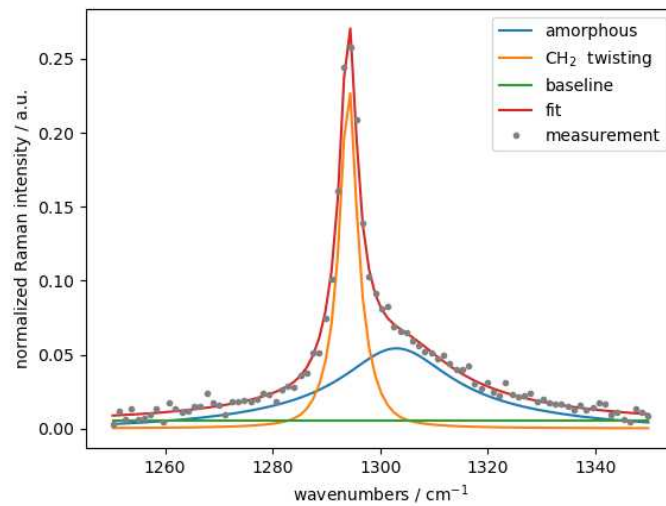
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1. Raman fitted spectrum



2. Table with spin-coated polyethylene mid-IR optical constant

The table contains the mid-IR ellipsometry measurements of the spin-coated linear low-density polyethylene films. Concentration 2%, thickness 271 nm:

λ [μm]	n	k	ϵ_1	ϵ_2
1.619778	1.55722	0.012923	2.424766	0.040249
1.639756	1.559886	0.014332	2.433038	0.044712
1.659968	1.563746	0.015252	2.44507	0.047701
1.679866	1.567874	0.015776	2.457981	0.049469
1.69997	1.57295	0.015505	2.473931	0.048778
1.719989	1.579049	0.015114	2.493167	0.047731
1.739902	1.585471	0.015243	2.513485	0.048336
1.759982	1.591635	0.015952	2.533048	0.05078
1.77992	1.598371	0.016259	2.554524	0.051976
1.79969	1.606055	0.015646	2.579167	0.050257
1.819905	1.614236	0.015383	2.60552	0.049665

1.839925	1.622464	0.016099	2.632129	0.05224
1.859723	1.631096	0.016158	2.660214	0.052709
1.879952	1.639957	0.014692	2.689242	0.048188
1.89993	1.649752	0.013683	2.721496	0.045147
1.919981	1.660353	0.013545	2.756589	0.044979
1.939734	1.671284	0.013375	2.793011	0.044706
1.959897	1.683056	0.012807	2.832512	0.043109
1.979728	4.791272	0	22.95629	0
1.999965	1.333523	0	1.778283	0
2.019832	1.344924	0	1.80882	0
2.039697	1.357032	0	1.841537	0
2.059956	1.363632	0	1.859491	0
2.079787	1.36665	0	1.867734	0
2.099578	1.369976	0	1.876833	0
2.11975	1.376667	0	1.895212	0
2.139871	1.383447	0	1.913925	0
2.159928	1.390119	0	1.93243	0
2.179907	1.396364	0	1.949832	0
2.199792	1.401048	0	1.962936	0
2.219567	1.404139	0	1.971607	0
2.239701	1.40861	0	1.984183	0
2.259712	1.412917	0	1.996335	0
2.279582	1.416836	0	2.007423	0
2.299804	1.416437	0	2.006293	0
2.31987	1.415781	0	2.004435	0
2.33976	1.419396	0	2.014684	0
2.359995	1.423174	0	2.025425	0
2.37949	1.426087	0	2.033725	0
2.399865	1.428584	0	2.040852	0
2.419463	1.430832	0	2.04728	0
2.439957	1.43488	0	2.05888	0
2.459634	1.439319	0	2.071639	0
2.479631	1.440385	0	2.074709	0
2.499956	1.441203	0	2.077065	0
2.519392	1.443345	0	2.083246	0
2.539754	1.446169	0	2.091404	0
2.559817	1.448115	0	2.097038	0
2.579557	1.449565	0	2.101239	0
2.599603	1.450272	0	2.103289	0
2.619964	1.451346	0	2.106406	0

2.639973	1.451893	0	2.107993	0
2.659609	1.453682	0	2.113191	0
2.679539	1.455682	0	2.119011	0
2.69977	1.45685	0	2.122411	0
2.719595	1.457453	0	2.124169	0
2.739714	1.458587	0	2.127475	0
2.759398	1.460138	0	2.132004	0
2.779367	1.460482	0	2.133007	0
2.799627	1.460454	0	2.132927	0
2.819417	1.460768	0	2.133843	0
2.83949	1.460683	0	2.133594	0
2.85985	1.46117	0	2.135018	0
2.879705	1.46323	0	2.141043	0
2.899837	1.464212	0.000234	2.143916	0.000685
2.91943	1.464274	0.000172	2.144098	0.000505
2.93929	1.464026	0	2.143373	0
2.959423	1.464198	0	2.143876	0
2.979833	1.464924	0	2.146001	0
2.999657	1.465281	0.000266	2.147048	0.000779
3.019749	1.465458	0.000691	2.147568	0.002026
3.03922	1.465382	0.000124	2.147346	0.000364
3.059845	1.466809	0.000813	2.151528	0.002386
3.079839	1.467412	0.002114	2.153293	0.006205
3.099168	1.466981	0.0026	2.152025	0.007628
3.11968	1.465299	0.001769	2.147097	0.005183
3.139514	1.46447	0.002257	2.144668	0.006611
3.159603	1.463889	0.002718	2.142965	0.007959
3.17995	1.462965	0.002522	2.140259	0.007379
3.199573	1.461914	0.00304	2.137184	0.008889
3.21944	1.460827	0.004019	2.134	0.011742
3.239556	1.459026	0.004307	2.12874	0.012567
3.259923	1.455046	0.003797	2.117146	0.011049
3.279512	1.450959	0.003985	2.105268	0.011565
3.299337	1.447082	0.005385	2.094018	0.015585
3.319404	1.440126	0.00682	2.073917	0.019644
3.339716	1.427394	0.009258	2.037368	0.026431
3.359189	1.410867	0.018289	1.990212	0.051606
3.379993	1.384347	0.042343	1.914624	0.117235
3.39994	1.371296	0.099345	1.870582	0.272462
3.418996	1.425377	0.17369	2.001532	0.495149

3.439408	1.547356	0.162501	2.367904	0.502894
3.458911	1.563162	0.0846	2.436319	0.264487
3.479804	1.523963	0.071419	2.317364	0.21768
3.49977	1.53292	0.093967	2.341013	0.288087
3.519965	1.582231	0.074763	2.497865	0.236585
3.539187	1.583823	0.030669	2.507556	0.097149
3.559841	1.557092	0.011794	2.424395	0.03673
3.579502	1.54397	0.009169	2.383761	0.028312
3.599382	1.537133	0.008555	2.362704	0.026299
3.619482	1.531742	0.007726	2.346174	0.023667
3.63981	1.527536	0.00695	2.333317	0.021232
3.659074	1.525227	0.007093	2.326267	0.021638
3.67985	1.52412	0.008287	2.322874	0.025262
3.699542	1.522738	0.008811	2.318653	0.026834
3.719447	1.521141	0.008942	2.313791	0.027204
3.739566	1.51964	0.008914	2.309225	0.027093
3.759905	1.518512	0.008646	2.305804	0.026259
3.779088	1.517967	0.008772	2.304148	0.026632
3.79986	1.517261	0.008376	2.30201	0.025418
3.819453	1.516636	0.007734	2.300125	0.023461
3.839251	1.516285	0.007571	2.299062	0.02296
3.859255	1.515486	0.006941	2.296649	0.021037
3.879468	1.515308	0.007044	2.296109	0.021348
3.899893	1.515824	0.007843	2.297661	0.023776
3.919054	1.515725	0.00776	2.297362	0.023524
3.939901	1.515588	0.007522	2.296951	0.022801
3.959457	1.515865	0.008179	2.297779	0.024797
3.979208	1.515973	0.00899	2.298092	0.027258
3.999159	1.515443	0.008206	2.2965	0.024872
4.019309	1.514856	0.007324	2.294734	0.02219
4.039663	1.514847	0.007346	2.294709	0.022256
4.058638	1.515059	0.007458	2.295348	0.022597
4.079393	1.514815	0.007382	2.294609	0.022365
4.098742	1.51463	0.007358	2.29405	0.022288
4.119911	1.514251	0.007324	2.292904	0.02218
4.139647	1.513606	0.006631	2.290959	0.020073
4.159573	1.513716	0.006243	2.291297	0.018902
4.179692	1.514739	0.007477	2.294379	0.022652
4.198306	1.515949	0.009736	2.298008	0.029519
4.218802	1.515584	0.010157	2.296891	0.030786

4.2395	1.514701	0.00998	2.29422	0.030234
4.258652	1.514534	0.009853	2.293717	0.029847
4.279743	1.51479	0.009772	2.294493	0.029606
4.299261	1.515192	0.009674	2.295714	0.029316
4.318957	1.515938	0.009597	2.297976	0.029098
4.338835	1.515991	0.009143	2.298145	0.027721
4.358898	1.515697	0.008585	2.297263	0.026024
4.379145	1.515515	0.007932	2.296723	0.024041
4.399582	1.515417	0.007073	2.29644	0.021436
4.418329	1.515719	0.00756	2.297345	0.022919
4.439133	1.516322	0.008703	2.299156	0.026392
4.458219	1.516193	0.008656	2.298766	0.026247
4.479404	1.516117	0.00859	2.298536	0.026048
4.498836	1.515928	0.007983	2.297975	0.024203
4.518438	1.515698	0.007251	2.297288	0.021982
4.538214	1.51592	0.007788	2.297953	0.023611
4.558161	1.516606	0.008869	2.300015	0.0269
4.578285	1.517263	0.009365	2.301999	0.028418
4.598589	1.517246	0.008771	2.301957	0.026615
4.619072	1.517122	0.00801	2.301596	0.024303
4.63974	1.517774	0.008893	2.303559	0.026995
4.658497	1.517816	0.008565	2.303691	0.026
4.679521	1.517115	0.007181	2.301585	0.021788
4.698603	1.516847	0.00658	2.300782	0.019963
4.719989	1.517139	0.006953	2.301663	0.021096
4.739404	1.517731	0.007723	2.303448	0.023442
4.758979	1.517749	0.007198	2.30351	0.02185
4.778717	1.51732	0.006102	2.302223	0.018517
4.798619	1.516571	0.004366	2.299967	0.013243
4.818687	1.51684	0.004231	2.300787	0.012836
4.838927	1.518108	0.005843	2.304617	0.01774
4.859332	1.519123	0.007617	2.307676	0.023141
4.879913	1.518927	0.007458	2.307083	0.022657
4.898354	1.518719	0.007283	2.306455	0.022122
4.919267	1.519746	0.008549	2.309554	0.025985
4.938008	1.520595	0.00899	2.312127	0.02734
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4.97831	1.520472	0.007792	2.311774	0.023695
4.999913	1.520495	0.006372	2.311865	0.019376
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5.038784	1.521853	0.008269	2.315967	0.025168
5.058448	1.521615	0.008159	2.315244	0.02483
5.078264	1.521538	0.007984	2.315014	0.024297
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5.11837	1.521035	0.006321	2.313506	0.01923
5.138662	1.521434	0.007058	2.314713	0.021477
5.159112	1.521213	0.006971	2.314041	0.021208
5.179729	1.52171	0.007144	2.31555	0.021741
5.197902	1.522582	0.006696	2.318212	0.020391
5.218831	1.523174	0.006009	2.320023	0.018306
5.239928	1.5229	0.005964	2.319189	0.018164
5.258528	1.522997	0.006391	2.319479	0.019468
5.279948	1.523722	0.007387	2.321673	0.022512
5.298833	1.524213	0.007763	2.323164	0.023664
5.317853	1.524114	0.007039	2.322875	0.021457
5.339761	1.524832	0.006941	2.325063	0.021168
5.35908	1.525046	0.006566	2.325723	0.020027
5.378536	1.524138	0.005337	2.322967	0.016267
5.398134	1.523564	0.004638	2.321227	0.014132
5.417878	1.524024	0.005552	2.322618	0.016922
5.437765	1.523676	0.005701	2.321556	0.017373
5.457797	1.523758	0.005503	2.321809	0.01677
5.477981	1.524619	0.005907	2.324427	0.018012
5.498312	1.524891	0.005713	2.325259	0.017424
5.518794	1.524488	0.004687	2.324042	0.014289
5.539433	1.524845	0.005038	2.325127	0.015366
5.557244	1.525459	0.006039	2.326989	0.018424
5.578169	1.525619	0.00625	2.327476	0.019069
5.599255	1.525219	0.00528	2.326264	0.016108
5.617454	1.525486	0.005225	2.32708	0.015941
5.638835	1.525282	0.005368	2.326457	0.016374
5.657293	1.525	0.005488	2.325593	0.016738
5.678979	1.525973	0.005153	2.328567	0.015727
5.697701	1.526245	0.004598	2.329403	0.014035
5.719701	1.526386	0.005195	2.329827	0.015858
5.738693	1.526539	0.005615	2.330289	0.017142
5.757811	1.527148	0.005412	2.332152	0.016529
5.777058	1.527764	0.00507	2.334036	0.015493
5.799673	1.52781	0.004791	2.334181	0.014638
5.819201	1.526995	0.004408	2.331693	0.013463

5.83886	1.526097	0.004288	2.328955	0.013087
5.858653	1.525738	0.003843	2.32786	0.011727
5.87858	1.525077	0.003477	2.325847	0.010605
5.898644	1.524693	0.003827	2.324675	0.01167
5.918844	1.524617	0.003728	2.324443	0.011368
5.939184	1.525829	0.004178	2.328137	0.012748
5.959664	1.526292	0.004288	2.329547	0.013091
5.97684	1.526505	0.003924	2.330202	0.011982
5.997581	1.527027	0.004291	2.331794	0.013104
6.018466	1.528129	0.005337	2.335148	0.01631
6.039497	1.528566	0.005773	2.336482	0.01765
6.057137	1.528113	0.005443	2.335101	0.016637
6.07844	1.527968	0.005251	2.334659	0.016045
6.099893	1.526983	0.004337	2.33166	0.013246
6.117884	1.525812	0.003279	2.328092	0.010008
6.139617	1.524911	0.002228	2.32535	0.006796
6.157848	1.524926	0.001475	2.325399	0.004499
6.179866	1.526205	0.002467	2.329294	0.007529
6.198337	1.526078	0.003221	2.328903	0.009831
6.216918	1.525998	0.003615	2.328658	0.011033
6.239362	1.52678	0.003978	2.331042	0.012146
6.258186	1.524448	0.002099	2.323937	0.0064
6.277129	1.523654	0.000962	2.32152	0.002931
6.296186	1.523738	0.000467	2.321777	0.001423
6.319207	1.525563	0.00168	2.32734	0.005125
6.338517	1.526667	0.00254	2.330707	0.007755
6.35795	1.52688	0.002779	2.331354	0.008487
6.377502	1.527405	0.002744	2.332958	0.008384
6.397171	1.527445	0.002275	2.333082	0.00695
6.416965	1.526361	0.002195	2.329774	0.006702
6.436883	1.524904	0.002011	2.325328	0.006133
6.456924	1.52501	0.002795	2.325647	0.008525
6.477087	1.524288	0.003428	2.323443	0.010451
6.49738	1.523363	0.00247	2.32063	0.007526
6.5178	1.523863	0.00217	2.322152	0.006615
6.538345	1.524067	0.002556	2.322772	0.00779
6.559024	1.523609	0.002403	2.321379	0.007323
6.579835	1.521997	0.001594	2.316472	0.004853
6.596576	1.520289	0.001188	2.311276	0.003611
6.617626	1.519277	0.001719	2.308199	0.005222

6.638806	1.518256	0.00267	2.305093	0.008109
6.655853	1.51633	0.002344	2.299252	0.007107
6.677279	1.514237	0.001681	2.292909	0.005091
6.698848	1.511263	0.001922	2.283913	0.005809
6.716201	1.507546	0.002438	2.27269	0.00735
6.738022	1.500805	0.004091	2.252398	0.012281
6.759986	1.489327	0.012762	2.217931	0.038013
6.777658	1.484463	0.030554	2.202697	0.090712
6.799881	1.494153	0.056079	2.229349	0.167581
6.817762	1.51214	0.070157	2.281645	0.212173
6.835737	1.538224	0.076637	2.360258	0.235768
6.858344	1.563647	0.05565	2.441895	0.174034
6.876539	1.564276	0.033582	2.445833	0.105063
6.899411	1.558579	0.021335	2.428713	0.066505
6.917825	1.555691	0.015991	2.419919	0.049753
6.936333	1.553286	0.012436	2.412544	0.038632
6.959611	1.550696	0.008634	2.404584	0.026778
6.978343	1.549753	0.005616	2.401703	0.017406
6.997176	1.550368	0.004044	2.403623	0.01254
7.016116	1.549214	0.003171	2.400055	0.009825
7.039928	1.547434	0.003381	2.39454	0.010464
7.059101	1.546002	0.003017	2.390114	0.009329
7.078373	1.543808	0.002002	2.383338	0.006182
7.097751	1.540674	0	2.373676	0
7.11724	1.53822	0	2.366122	0
7.136832	1.537999	0	2.365442	0
7.156531	1.539437	0.001246	2.369864	0.003838
7.176345	1.539341	0.00223	2.369567	0.006864
7.196264	1.536764	0.002222	2.361639	0.006831
7.216293	1.533922	0.003758	2.352903	0.011529
7.23644	1.532823	0.007736	2.349486	0.023715
7.256694	1.536034	0.011744	2.359263	0.036078
7.277067	1.539844	0.008855	2.37104	0.02727
7.29755	1.541673	0.006129	2.376718	0.018898
7.318148	1.542164	0.005597	2.378237	0.017262
7.338868	1.542863	0.005742	2.380394	0.017718
7.3597	1.542048	0.004763	2.377891	0.01469
7.375404	1.541687	0.004172	2.37678	0.012864
7.396444	1.543771	0.005787	2.383195	0.017868
7.417611	1.544812	0.005818	2.38641	0.017975

7.438893	1.542521	0.003312	2.37936	0.010217
7.454937	1.541763	0.001599	2.377031	0.004929
7.476434	1.542659	0.000459	2.379797	0.001416
7.498062	1.543228	0.001465	2.381551	0.004522
7.519809	1.541304	0.001509	2.375617	0.004653
7.536204	1.54109	0.00169	2.374955	0.005208
7.558173	1.541259	0.000776	2.37548	0.002393
7.574736	1.541224	0.00119	2.375371	0.003667
7.596937	1.539127	0	2.368911	0
7.619262	1.538646	0	2.367432	0
7.636094	1.538466	0	2.366877	0
7.658651	1.538539	0	2.367103	0
7.675663	1.539677	0.000961	2.370605	0.002959
7.698455	1.541121	0.001846	2.375051	0.00569
7.715639	1.541789	0.002312	2.377107	0.00713
7.738668	1.542096	0.002654	2.378053	0.008185
7.756032	1.542507	0.002045	2.379322	0.006309
7.77931	1.543404	0.002664	2.382089	0.008223
7.796858	1.542794	0.002084	2.38021	0.006431
7.814484	1.541422	0	2.375983	0
7.838109	1.539956	0	2.371465	0
7.855922	1.539952	0	2.371451	0
7.879798	1.540545	0	2.373278	0
7.897802	1.541757	0	2.377014	0
7.915889	1.542029	0	2.377854	0
7.934058	1.541268	0	2.375508	0
7.958419	1.539931	0	2.371387	0
7.976784	1.539229	0	2.369225	0
7.995235	1.539837	0	2.371097	0
8.019967	1.540177	0	2.372146	0
8.038618	1.539304	0	2.369457	0
8.057355	1.538601	0	2.367294	0
8.076181	1.538811	0.000676	2.367939	0.002081
8.095095	1.538844	0	2.368042	0
8.114097	1.538923	0	2.368284	0
8.139571	1.538199	0	2.366057	0
8.15879	1.537565	0	2.364106	0
8.178086	1.537441	0	2.363723	0
8.197487	1.537986	0	2.3654	0
8.216967	1.539447	0	2.369896	0

8.236554	1.540509	0	2.373169	0
8.25622	1.540555	0	2.37331	0
8.275994	1.539978	0	2.371533	0
8.29585	1.537971	0	2.365355	0
8.315815	1.536551	0	2.36099	0
8.335869	1.536655	0	2.361309	0
8.35602	1.536945	0	2.362199	0
8.376269	1.536391	0	2.360497	0
8.396616	1.535435	0	2.35756	0
8.417062	1.535406	0	2.357472	0
8.437608	1.535785	0	2.358635	0
8.458255	1.536927	0	2.362145	0
8.479003	1.537799	0	2.364827	0
8.499853	1.540818	0	2.37412	0
8.513805	1.541832	0	2.377246	0
8.534826	1.541525	0	2.3763	0
8.555952	1.538773	0	2.367822	0
8.577183	1.537986	0	2.365401	0
8.598519	1.538878	0	2.368147	0
8.619961	1.540119	0	2.371965	0
8.634318	1.540116	0	2.371958	0
8.65594	1.538157	0	2.365927	0
8.677671	1.537579	0	2.36415	0
8.69951	1.537312	0.0006	2.363327	0.001844
8.714134	1.537338	0.00042	2.363407	0.00129
8.736158	1.53891	2.47E-05	2.368245	7.60E-05
8.758293	1.53818	0	2.365998	0
8.773107	1.536167	0	2.359808	0
8.795438	1.535223	0.001269	2.356907	0.003896
8.817868	1.536799	0	2.361751	0
8.832892	1.537777	0	2.364759	0
8.855521	1.539884	0	2.371241	0
8.878267	1.541889	0.001505	2.377419	0.00464
8.893498	1.542325	0.003345	2.378755	0.010318
8.916439	1.5421	0.005238	2.378046	0.016155
8.939498	1.541322	0.006066	2.375636	0.018698
8.954941	1.540054	0.007372	2.371712	0.022708
8.9782	1.538938	0.003008	2.368321	0.009257
8.993768	1.537937	0.002238	2.365244	0.006883
9.01723	1.53895	0.003197	2.368358	0.009841

9.032942	1.539741	0.003785	2.370788	0.011655
9.056609	1.542067	0.000636	2.377971	0.001962
9.072459	1.545032	0	2.387123	0
9.096334	1.545372	0.000448	2.388173	0.001384
9.112315	1.544547	0	2.385627	0
9.1364	1.543833	0	2.383419	0
9.152531	1.542784	0	2.380184	0
9.176829	1.542236	0.001003	2.378492	0.003095
9.193103	1.542644	0.00153	2.379749	0.00472
9.217618	1.541072	0	2.374902	0
9.234028	1.538983	0	2.36847	0
9.258762	1.538274	0	2.366286	0
9.275328	1.53887	0	2.368121	0
9.291953	1.540897	0	2.374362	0
9.316999	1.542895	0	2.380524	0
9.333765	1.542576	0	2.379542	0
9.359037	1.539289	0	2.369411	0
9.375964	1.537289	0.002264	2.363253	0.006961
9.392952	1.537129	0.003515	2.362754	0.010805
9.418546	1.540297	0.002666	2.372507	0.008213
9.43568	1.542214	0.002827	2.378417	0.008719
9.452886	1.541525	0.002455	2.376293	0.007568
9.478808	1.539738	0.00173	2.370789	0.005327
9.496171	1.540945	0	2.374511	0
9.513589	1.542739	0	2.380045	0
9.539855	1.538881	0	2.368155	0
9.557433	1.539074	0	2.368749	0
9.575086	1.541895	0	2.37744	0
9.592805	1.5437	0	2.383009	0
9.619501	1.539033	0	2.368624	0
9.637375	1.539793	0	2.370964	0
9.655324	1.53974	0	2.370798	0
9.673341	1.538858	0	2.368085	0
9.691416	1.538869	0.001876	2.368114	0.005774
9.718664	1.541811	0	2.377182	0
9.736918	1.54257	0.000236	2.379522	0.000727
9.755241	1.543843	0.00162	2.383449	0.005001
9.773623	1.544731	0.004308	2.386174	0.013309
9.792085	1.541981	0.002408	2.377698	0.007426
9.819903	1.53992	0.00104	2.371351	0.003203

9.83854	1.540688	0.004296	2.373702	0.013238
9.857238	1.542076	0.004777	2.377974	0.014733
9.876016	1.542876	0	2.380466	0
9.894867	1.541807	0	2.377168	0
9.91378	1.539386	0	2.369708	0
9.932775	1.539425	0.000768	2.369829	0.002363
9.951843	1.540499	8.76E-05	2.373136	0.00027
9.970974	1.540565	0	2.373339	0
9.99982	1.542173	0	2.378296	0
10.01915	1.543404	0.002535	2.382089	0.007824
10.03855	1.543701	0.00444	2.382992	0.013708
10.05801	1.542605	0.007033	2.379581	0.021698
10.07757	1.541396	0.005845	2.375867	0.018019
10.0972	1.538729	0.001065	2.367687	0.003278
10.11689	1.538145	0	2.365889	0
10.13667	1.539844	0	2.37112	0
10.15653	1.537774	0	2.36475	0
10.17646	1.537505	0	2.36392	0
10.19648	1.543108	0.000619	2.381183	0.001911
10.21657	1.547875	0	2.395917	0
10.23673	1.544993	0	2.387003	0
10.25699	1.541041	0	2.374807	0
10.27732	1.539747	0.002258	2.370817	0.006953
10.29773	1.54111	0.007691	2.374962	0.023706
10.31822	1.54308	0.007239	2.381043	0.02234
10.3388	1.542641	0.005542	2.37971	0.017098
10.35945	1.542242	0.005236	2.378484	0.016151
10.36982	1.541581	0.005755	2.37644	0.017743
10.39059	1.541486	0.005351	2.376152	0.016496
10.41146	1.543015	0.005773	2.380862	0.017815
10.43241	1.542977	0.005567	2.380746	0.01718
10.45344	1.542546	0.002787	2.379439	0.008597
10.47456	1.545178	0.001907	2.38757	0.005893
10.49577	1.546223	0.001832	2.390803	0.005666
10.51706	1.543624	0.003453	2.382764	0.010661
10.53843	1.541367	0.002462	2.375806	0.00759
10.5599	1.542061	0	2.377952	0
10.57066	1.543403	0	2.382094	0
10.59226	1.546102	0	2.39043	0
10.61394	1.545778	0.002694	2.389423	0.008328

10.63571	1.544665	0.001785	2.385985	0.005514
10.65757	1.541622	0	2.376598	0
10.67953	1.542913	0	2.380581	0
10.69053	1.544224	0	2.384627	0
10.71263	1.545789	0.00028	2.389463	0.000865
10.7348	1.547385	0.001003	2.394399	0.003104
10.75707	1.543492	0.004021	2.38235	0.012413
10.77944	1.540609	0.001652	2.373474	0.00509
10.79065	1.540577	0.000795	2.373375	0.00245
10.81316	1.543384	0.004143	2.382016	0.012788
10.83575	1.545648	0.007926	2.388965	0.024502
10.85845	1.54464	0.008263	2.385845	0.025528
10.86983	1.544151	0.009699	2.384309	0.029955
10.89266	1.543696	0.008415	2.382925	0.025979
10.9156	1.540736	0.004631	2.373847	0.01427
10.93862	1.53706	0	2.362554	0
10.95018	1.536745	0	2.361585	0
10.97335	1.543624	0	2.382775	0
10.99662	1.54707	0.002292	2.39342	0.007091
11.02	1.540918	0.003686	2.374415	0.011361
11.03172	1.53947	0.003341	2.369958	0.010287
11.05525	1.539798	0.002414	2.370973	0.007433
11.07886	1.537343	0.004416	2.363403	0.013577
11.09072	1.538265	0.003008	2.36625	0.009253
11.11448	1.540766	0	2.373961	0
11.13836	1.542067	0.002687	2.377964	0.008288
11.15034	1.541666	0.004054	2.376717	0.012501
11.17437	1.542448	0.006531	2.379102	0.020149
11.19851	1.546389	0.008221	2.391252	0.025425
11.21061	1.546484	0.010656	2.391498	0.032958
11.23491	1.541606	0.009697	2.376454	0.029899
11.2593	1.541156	0.008277	2.375093	0.025514
11.27154	1.544477	0.007026	2.38536	0.021702
11.29609	1.551206	0.00334	2.406228	0.010361
11.30842	1.55115	0.002924	2.406059	0.00907
11.33313	1.54463	0.00261	2.385875	0.008062
11.35796	1.541158	0.005281	2.375141	0.016279
11.37041	1.544156	0.004597	2.384398	0.014198
11.3954	1.550529	0	2.404139	0
11.40793	1.551735	0	2.407881	0

11.43309	1.549803	0	2.40189	0
11.45836	1.548955	0.002038	2.399257	0.006313
11.47103	1.548477	0.004241	2.397764	0.013136
11.49647	1.545337	0.005808	2.388031	0.017952
11.50923	1.543543	0.003575	2.382512	0.011036
11.53484	1.542151	0.004195	2.378213	0.012938
11.54768	1.544239	0.002644	2.384668	0.008167
11.57346	1.550037	0.001889	2.40261	0.005856
11.59935	1.548744	0.006158	2.398569	0.019073
11.61234	1.548899	0.004793	2.399065	0.014847
11.63841	1.54824	0.002598	2.397039	0.008045
11.65148	1.547915	0.006017	2.396003	0.018626
11.67773	1.545721	0.008123	2.389188	0.025111
11.69089	1.54486	0.005681	2.386561	0.017553
11.71731	1.547475	0.007728	2.394619	0.023918
11.73056	1.54833	0.007954	2.397264	0.024632
11.75717	1.547257	0.002062	2.393999	0.00638
11.77051	1.543179	0.002017	2.381398	0.006225
11.79729	1.540349	0.003199	2.372664	0.009855
11.81073	1.543871	0.001548	2.383535	0.004779
11.8377	1.547926	0.004413	2.396056	0.013661
11.85122	1.549613	0.006372	2.401261	0.019748
11.87837	1.548218	0.004363	2.396959	0.013511
11.89199	1.546808	0.00222	2.392609	0.006868
11.91933	1.54581	0.002047	2.389523	0.006329
11.93305	1.545642	0.004135	2.388993	0.012783
11.94679	1.545001	0.005563	2.386998	0.01719
11.97438	1.544447	0.004669	2.385296	0.014422
11.98822	1.544458	0.007068	2.385302	0.021833
12.01601	1.542921	0.008026	2.38054	0.024767
12.02994	1.542809	0.009042	2.380179	0.027901
12.05793	1.542073	0.008401	2.377919	0.02591
12.07196	1.542486	0.005302	2.379235	0.016355
12.08604	1.549266	0.007316	2.40017	0.022668
12.11427	1.550542	0.007114	2.404131	0.022062
12.12845	1.552165	0.005753	2.409183	0.017858
12.15687	1.555822	0.003158	2.420572	0.009826
12.17115	1.555911	0.002344	2.420855	0.007294
12.19978	1.549581	0.00774	2.401141	0.023988
12.21416	1.547148	0.007544	2.39361	0.023344

12.22856	1.543411	0.002958	2.382109	0.00913
12.25747	1.535676	0	2.358301	0

Table S1. Ellipsometry measurements of the spin-coated linear low-density polyethylene films.
Concentration 2%, thickness 271 nm.