

Ziplock Bag

Test Method MTS Tensile-Nick.msm
 Sample I. D. Sample2.mss
 Specimen Number 1

Thickness (mm)	0.0254
Width (mm)	20
Cross-sectional Area (m	0.508
Cross-sectional Area (m²)	0.000000508

Load (N)	Time (s)	Extension (mm)	Stress (Pa)	Stress (MPa)	
-0.012		0.2	0.004	-23622.04724	-0.023622
0.055		0.3	0.012	108267.7165	0.1082677
0.043		0.4	0.021	84645.66929	0.0846457
0.018		0.5	0.03	35433.07087	0.0354331
0.087		0.6	0.039	171259.8425	0.1712598
0.073		0.7	0.047	143700.7874	0.1437008
0.045		0.8	0.056	88582.67717	0.0885827
0.109		0.9	0.064	214566.9291	0.2145669
0.145		1	0.073	285433.0709	0.2854331
0.103		1.1	0.081	202755.9055	0.2027559
0.106		1.2	0.09	208661.4173	0.2086614
0.171		1.3	0.098	336614.1732	0.3366142
0.179		1.4	0.107	352362.2047	0.3523622
0.163		1.5	0.115	320866.1417	0.3208661
0.218		1.6	0.124	429133.8583	0.4291339
0.242		1.7	0.132	476377.9528	0.476378
0.197		1.8	0.141	387795.2756	0.3877953
0.214		1.9	0.149	421259.8425	0.4212598
0.257		2	0.158	505905.5118	0.5059055
0.258		2.1	0.166	507874.0157	0.507874
0.26		2.2	0.175	511811.0236	0.511811
0.325		2.3	0.183	639763.7795	0.6397638
0.326		2.4	0.192	641732.2835	0.6417323
0.279		2.5	0.2	549212.5984	0.5492126
0.327		2.6	0.209	643700.7874	0.6437008
0.38		2.7	0.217	748031.4961	0.7480315
0.349		2.8	0.226	687007.874	0.6870079
0.348		2.9	0.234	685039.3701	0.6850394
0.389		3	0.243	765748.0315	0.765748
0.367		3.1	0.251	722440.9449	0.7224409
0.356		3.2	0.26	700787.4016	0.7007874
0.435		3.3	0.268	856299.2126	0.8562992
0.477		3.4	0.277	938976.378	0.9389764
0.419		3.5	0.285	824803.1496	0.8248031
0.411		3.6	0.294	809055.1181	0.8090551
0.46		3.7	0.302	905511.811	0.9055118

0.465	3.8	0.311	915354.3307	0.9153543
0.441	3.9	0.319	868110.2362	0.8681102
0.471	4	0.328	927165.3543	0.9271654
0.537	4.1	0.336	1057086.614	1.0570866
0.514	4.2	0.345	1011811.024	1.011811
0.532	4.3	0.353	1047244.094	1.0472441
0.601	4.4	0.362	1183070.866	1.1830709
0.593	4.5	0.37	1167322.835	1.1673228
0.547	4.6	0.379	1076771.654	1.0767717
0.581	4.7	0.387	1143700.787	1.1437008
0.635	4.8	0.396	1250000	1.25
0.606	4.9	0.404	1192913.386	1.1929134
0.634	5	0.413	1248031.496	1.2480315
0.682	5.1	0.421	1342519.685	1.3425197
0.657	5.2	0.43	1293307.087	1.2933071
0.649	5.3	0.438	1277559.055	1.2775591
0.686	5.4	0.447	1350393.701	1.3503937
0.747	5.5	0.456	1470472.441	1.4704724
0.716	5.6	0.464	1409448.819	1.4094488
0.73	5.7	0.472	1437007.874	1.4370079
0.764	5.8	0.481	1503937.008	1.503937
0.718	5.9	0.489	1413385.827	1.4133858
0.753	6	0.498	1482283.465	1.4822835
0.781	6.1	0.506	1537401.575	1.5374016
0.819	6.2	0.514	1612204.724	1.6122047
0.767	6.3	0.523	1509842.52	1.5098425
0.821	6.4	0.531	1616141.732	1.6161417
0.862	6.5	0.54	1696850.394	1.6968504
0.81	6.6	0.548	1594488.189	1.5944882
0.803	6.7	0.557	1580708.661	1.5807087
0.891	6.8	0.565	1753937.008	1.753937
0.905	6.9	0.574	1781496.063	1.7814961
0.877	7	0.582	1726377.953	1.726378
0.917	7.1	0.591	1805118.11	1.8051181
0.959	7.2	0.599	1887795.276	1.8877953
0.921	7.3	0.608	1812992.126	1.8129921
0.911	7.4	0.616	1793307.087	1.7933071
0.957	7.5	0.625	1883858.268	1.8838583
0.96	7.6	0.633	1889763.78	1.8897638
0.934	7.7	0.642	1838582.677	1.8385827
0.978	7.8	0.651	1925196.85	1.9251969
1.027	7.9	0.659	2021653.543	2.0216535
1.013	8	0.668	1994094.488	1.9940945
0.996	8.1	0.676	1960629.921	1.9606299
1.076	8.2	0.684	2118110.236	2.1181102
1.065	8.3	0.693	2096456.693	2.0964567
1.028	8.4	0.701	2023622.047	2.023622
1.078	8.5	0.71	2122047.244	2.1220472
1.114	8.6	0.718	2192913.386	2.1929134

1.081	8.7	0.727	2127952.756	2.1279528
1.095	8.8	0.735	2155511.811	2.1555118
1.141	8.9	0.744	2246062.992	2.246063
1.146	9	0.752	2255905.512	2.2559055
1.135	9.1	0.761	2234251.969	2.234252
1.18	9.2	0.769	2322834.646	2.3228346
1.171	9.3	0.778	2305118.11	2.3051181
1.158	9.4	0.787	2279527.559	2.2795276
1.184	9.5	0.795	2330708.661	2.3307087
1.259	9.6	0.804	2478346.457	2.4783465
1.256	9.7	0.813	2472440.945	2.4724409
1.252	9.8	0.821	2464566.929	2.4645669
1.288	9.9	0.83	2535433.071	2.5354331
1.25	10	0.838	2460629.921	2.4606299
1.223	10.1	0.847	2407480.315	2.4074803
1.276	10.2	0.855	2511811.024	2.511811
1.352	10.3	0.864	2661417.323	2.6614173
1.306	10.4	0.872	2570866.142	2.5708661
1.287	10.5	0.881	2533464.567	2.5334646
1.341	10.6	0.889	2639763.78	2.6397638
1.363	10.7	0.897	2683070.866	2.6830709
1.315	10.8	0.905	2588582.677	2.5885827
1.344	10.9	0.914	2645669.291	2.6456693
1.403	11	0.922	2761811.024	2.761811
1.392	11.1	0.931	2740157.48	2.7401575
1.388	11.2	0.939	2732283.465	2.7322835
1.421	11.3	0.948	2797244.094	2.7972441
1.451	11.4	0.957	2856299.213	2.8562992
1.4	11.5	0.965	2755905.512	2.7559055
1.424	11.6	0.974	2803149.606	2.8031496
1.472	11.7	0.983	2897637.795	2.8976378
1.483	11.8	0.991	2919291.339	2.9192913
1.473	11.9	1	2899606.299	2.8996063
1.508	12	1.009	2968503.937	2.9685039
1.487	12.1	1.017	2927165.354	2.9271654
1.5	12.2	1.026	2952755.906	2.9527559
1.546	12.3	1.034	3043307.087	3.0433071
1.563	12.4	1.043	3076771.654	3.0767717
1.538	12.5	1.051	3027559.055	3.0275591
1.552	12.6	1.059	3055118.11	3.0551181
1.608	12.7	1.068	3165354.331	3.1653543
1.562	12.8	1.076	3074803.15	3.0748031
1.566	12.9	1.084	3082677.165	3.0826772
1.615	13	1.093	3179133.858	3.1791339
1.612	13.1	1.101	3173228.346	3.1732283
1.581	13.2	1.109	3112204.724	3.1122047
1.623	13.3	1.117	3194881.89	3.1948819
1.68	13.4	1.126	3307086.614	3.3070866
1.635	13.5	1.134	3218503.937	3.2185039

1.628	13.6	1.143	3204724.409	3.2047244
1.686	13.7	1.151	3318897.638	3.3188976
1.686	13.8	1.16	3318897.638	3.3188976
1.682	13.9	1.169	3311023.622	3.3110236
1.702	14	1.177	3350393.701	3.3503937
1.75	14.1	1.186	3444881.89	3.4448819
1.723	14.2	1.195	3391732.283	3.3917323
1.708	14.3	1.203	3362204.724	3.3622047
1.795	14.4	1.212	3533464.567	3.5334646
1.783	14.5	1.22	3509842.52	3.5098425
1.747	14.6	1.229	3438976.378	3.4389764
1.762	14.7	1.237	3468503.937	3.4685039
1.808	14.8	1.246	3559055.118	3.5590551
1.772	14.9	1.254	3488188.976	3.488189
1.787	15	1.263	3517716.535	3.5177165
1.83	15.1	1.271	3602362.205	3.6023622
1.847	15.2	1.28	3635826.772	3.6358268
1.798	15.3	1.288	3539370.079	3.5393701
1.821	15.4	1.297	3584645.669	3.5846457
1.844	15.5	1.305	3629921.26	3.6299213
1.85	15.6	1.314	3641732.283	3.6417323
1.86	15.7	1.322	3661417.323	3.6614173
1.9	15.8	1.331	3740157.48	3.7401575
1.901	15.9	1.339	3742125.984	3.742126
1.89	16	1.348	3720472.441	3.7204724
1.916	16.1	1.356	3771653.543	3.7716535
1.931	16.2	1.365	3801181.102	3.8011811
1.883	16.3	1.373	3706692.913	3.7066929
1.915	16.4	1.382	3769685.039	3.769685
1.978	16.5	1.39	3893700.787	3.8937008
1.964	16.6	1.399	3866141.732	3.8661417
1.946	16.7	1.407	3830708.661	3.8307087
2.004	16.8	1.416	3944881.89	3.9448819
1.997	16.9	1.424	3931102.362	3.9311024
1.985	17	1.433	3907480.315	3.9074803
2.001	17.1	1.441	3938976.378	3.9389764
2.064	17.2	1.45	4062992.126	4.0629921
2.021	17.3	1.458	3978346.457	3.9783465
2.002	17.4	1.467	3940944.882	3.9409449
2.049	17.5	1.475	4033464.567	4.0334646
2.074	17.6	1.484	4082677.165	4.0826772
2.032	17.7	1.492	4000000	4
2.054	17.8	1.501	4043307.087	4.0433071
2.09	17.9	1.509	4114173.228	4.1141732
2.076	18	1.518	4086614.173	4.0866142
2.064	18.1	1.526	4062992.126	4.0629921
2.117	18.2	1.535	4167322.835	4.1673228
2.169	18.3	1.543	4269685.039	4.269685
2.125	18.4	1.552	4183070.866	4.1830709

2.12	18.5	1.56	4173228.346	4.1732283
2.158	18.6	1.569	4248031.496	4.2480315
2.153	18.7	1.577	4238188.976	4.238189
2.147	18.8	1.586	4226377.953	4.226378
2.185	18.9	1.594	4301181.102	4.3011811
2.172	19	1.603	4275590.551	4.2755906
2.179	19.1	1.611	4289370.079	4.2893701
2.215	19.2	1.62	4360236.22	4.3602362
2.234	19.3	1.628	4397637.795	4.3976378
2.217	19.4	1.637	4364173.228	4.3641732
2.201	19.5	1.645	4332677.165	4.3326772
2.26	19.6	1.654	4448818.898	4.4488189
2.24	19.7	1.663	4409448.819	4.4094488
2.236	19.8	1.671	4401574.803	4.4015748
2.284	19.9	1.68	4496062.992	4.496063
2.302	20	1.688	4531496.063	4.5314961
2.258	20.1	1.697	4444881.89	4.4448819
2.265	20.2	1.705	4458661.417	4.4586614
2.31	20.3	1.714	4547244.094	4.5472441
2.289	20.4	1.722	4505905.512	4.5059055
2.266	20.5	1.731	4460629.921	4.4606299
2.339	20.6	1.739	4604330.709	4.6043307
2.363	20.7	1.748	4651574.803	4.6515748
2.318	20.8	1.756	4562992.126	4.5629921
2.304	20.9	1.765	4535433.071	4.5354331
2.383	21	1.773	4690944.882	4.6909449
2.373	21.1	1.782	4671259.843	4.6712598
2.335	21.2	1.79	4596456.693	4.5964567
2.399	21.3	1.799	4722440.945	4.7224409
2.391	21.4	1.807	4706692.913	4.7066929
2.363	21.5	1.816	4651574.803	4.6515748
2.373	21.6	1.824	4671259.843	4.6712598
2.438	21.7	1.833	4799212.598	4.7992126
2.43	21.8	1.841	4783464.567	4.7834646
2.425	21.9	1.85	4773622.047	4.773622
2.461	22	1.858	4844488.189	4.8444882
2.452	22.1	1.867	4826771.654	4.8267717
2.426	22.2	1.875	4775590.551	4.7755906
2.438	22.3	1.883	4799212.598	4.7992126
2.463	22.4	1.891	4848425.197	4.8484252
2.447	22.5	1.9	4816929.134	4.8169291
2.48	22.6	1.908	4881889.764	4.8818898
2.535	22.7	1.918	4990157.48	4.9901575
2.503	22.8	1.926	4927165.354	4.9271654
2.45	22.9	1.935	4822834.646	4.8228346
2.5	23	1.943	4921259.843	4.9212598
2.547	23.1	1.952	5013779.528	5.0137795
2.505	23.2	1.96	4931102.362	4.9311024
2.536	23.3	1.969	4992125.984	4.992126

2.563	23.4	1.977	5045275.591	5.0452756
2.537	23.5	1.986	4994094.488	4.9940945
2.51	23.6	1.994	4940944.882	4.9409449
2.586	23.7	2.002	5090551.181	5.0905512
2.623	23.8	2.01	5163385.827	5.1633858
2.576	23.9	2.019	5070866.142	5.0708661
2.568	24	2.027	5055118.11	5.0551181
2.634	24.1	2.036	5185039.37	5.1850394
2.629	24.2	2.044	5175196.85	5.1751969
2.603	24.3	2.053	5124015.748	5.1240157
2.633	24.4	2.061	5183070.866	5.1830709
2.645	24.5	2.07	5206692.913	5.2066929
2.621	24.6	2.078	5159448.819	5.1594488
2.614	24.7	2.087	5145669.291	5.1456693
2.676	24.8	2.096	5267716.535	5.2677165
2.682	24.9	2.105	5279527.559	5.2795276
2.635	25	2.113	5187007.874	5.1870079
2.652	25.1	2.121	5220472.441	5.2204724
2.686	25.2	2.13	5287401.575	5.2874016
2.672	25.3	2.138	5259842.52	5.2598425
2.675	25.4	2.147	5265748.031	5.265748
2.715	25.5	2.155	5344488.189	5.3444882
2.711	25.6	2.164	5336614.173	5.3366142
2.689	25.7	2.172	5293307.087	5.2933071
2.742	25.8	2.181	5397637.795	5.3976378
2.747	25.9	2.19	5407480.315	5.4074803
2.703	26	2.198	5320866.142	5.3208661
2.729	26.1	2.207	5372047.244	5.3720472
2.765	26.2	2.215	5442913.386	5.4429134
2.757	26.3	2.223	5427165.354	5.4271654
2.777	26.4	2.232	5466535.433	5.4665354
2.819	26.5	2.24	5549212.598	5.5492126
2.81	26.6	2.249	5531496.063	5.5314961
2.751	26.7	2.257	5415354.331	5.4153543
2.797	26.8	2.266	5505905.512	5.5059055
2.827	26.9	2.274	5564960.63	5.5649606
2.79	27	2.283	5492125.984	5.492126
2.78	27.1	2.291	5472440.945	5.4724409
2.828	27.2	2.3	5566929.134	5.5669291
2.828	27.3	2.308	5566929.134	5.5669291
2.79	27.4	2.317	5492125.984	5.492126
2.836	27.5	2.325	5582677.165	5.5826772
2.887	27.6	2.334	5683070.866	5.6830709
2.845	27.7	2.342	5600393.701	5.6003937
2.836	27.8	2.351	5582677.165	5.5826772
2.883	27.9	2.359	5675196.85	5.6751969
2.851	28	2.368	5612204.724	5.6122047
2.823	28.1	2.376	5557086.614	5.5570866
2.871	28.2	2.385	5651574.803	5.6515748

2.93	28.3	2.393	5767716.535	5.7677165
2.903	28.4	2.402	5714566.929	5.7145669
2.896	28.5	2.41	5700787.402	5.7007874
2.932	28.6	2.419	5771653.543	5.7716535
2.906	28.7	2.427	5720472.441	5.7204724
2.877	28.8	2.436	5663385.827	5.6633858
2.929	28.9	2.444	5765748.031	5.765748
2.964	29	2.453	5834645.669	5.8346457
2.939	29.1	2.461	5785433.071	5.7854331
2.95	29.2	2.47	5807086.614	5.8070866
2.986	29.3	2.478	5877952.756	5.8779528
2.959	29.4	2.487	5824803.15	5.8248031
2.945	29.5	2.495	5797244.094	5.7972441
2.99	29.6	2.504	5885826.772	5.8858268
2.993	29.7	2.512	5891732.283	5.8917323
2.942	29.8	2.521	5791338.583	5.7913386
3.001	29.9	2.529	5907480.315	5.9074803
3.02	30	2.538	5944881.89	5.9448819
2.995	30.1	2.546	5895669.291	5.8956693
3.002	30.2	2.555	5909448.819	5.9094488
3.046	30.3	2.563	5996062.992	5.996063
3.043	30.4	2.572	5990157.48	5.9901575
2.977	30.5	2.58	5860236.22	5.8602362
3.019	30.6	2.589	5942913.386	5.9429134
3.065	30.7	2.597	6033464.567	6.0334646
3.05	30.8	2.606	6003937.008	6.003937
3.048	30.9	2.614	6000000	6
3.093	31	2.623	6088582.677	6.0885827
3.079	31.1	2.631	6061023.622	6.0610236
3.04	31.2	2.64	5984251.969	5.984252
3.085	31.3	2.648	6072834.646	6.0728346
3.118	31.4	2.657	6137795.276	6.1377953
3.098	31.5	2.665	6098425.197	6.0984252
3.079	31.6	2.674	6061023.622	6.0610236
3.109	31.7	2.682	6120078.74	6.1200787
3.102	31.8	2.691	6106299.213	6.1062992
3.084	31.9	2.699	6070866.142	6.0708661
3.141	32	2.708	6183070.866	6.1830709
3.132	32.1	2.716	6165354.331	6.1653543
3.089	32.2	2.725	6080708.661	6.0807087
3.126	32.3	2.733	6153543.307	6.1535433
3.151	32.4	2.742	6202755.906	6.2027559
3.157	32.5	2.75	6214566.929	6.2145669
3.133	32.6	2.759	6167322.835	6.1673228
3.154	32.7	2.767	6208661.417	6.2086614
3.16	32.8	2.776	6220472.441	6.2204724
3.153	32.9	2.784	6206692.913	6.2066929
3.197	33	2.793	6293307.087	6.2933071
3.225	33.1	2.802	6348425.197	6.3484252

3.174	33.2	2.81	6248031.496	6.2480315
3.16	33.3	2.819	6220472.441	6.2204724
3.228	33.4	2.827	6354330.709	6.3543307
3.207	33.5	2.836	6312992.126	6.3129921
3.182	33.6	2.844	6263779.528	6.2637795
3.216	33.7	2.853	6330708.661	6.3307087
3.232	33.8	2.861	6362204.724	6.3622047
3.222	33.9	2.87	6342519.685	6.3425197
3.239	34	2.878	6375984.252	6.3759843
3.267	34.1	2.886	6431102.362	6.4311024
3.266	34.2	2.895	6429133.858	6.4291339
3.206	34.3	2.903	6311023.622	6.3110236
3.223	34.4	2.912	6344488.189	6.3444882
3.281	34.5	2.92	6458661.417	6.4586614
3.246	34.6	2.929	6389763.78	6.3897638
3.232	34.7	2.937	6362204.724	6.3622047
3.277	34.8	2.945	6450787.402	6.4507874
3.272	34.9	2.954	6440944.882	6.4409449
3.261	35	2.962	6419291.339	6.4192913
3.284	35.1	2.971	6464566.929	6.4645669
3.324	35.2	2.979	6543307.087	6.5433071
3.284	35.3	2.988	6464566.929	6.4645669
3.273	35.4	2.997	6442913.386	6.4429134
3.312	35.5	3.005	6519685.039	6.519685
3.299	35.6	3.014	6494094.488	6.4940945
3.319	35.7	3.023	6533464.567	6.5334646
3.336	35.8	3.031	6566929.134	6.5669291
3.362	35.9	3.04	6618110.236	6.6181102
3.331	36	3.048	6557086.614	6.5570866
3.356	36.1	3.057	6606299.213	6.6062992
3.376	36.2	3.065	6645669.291	6.6456693
3.338	36.3	3.074	6570866.142	6.5708661
3.32	36.4	3.082	6535433.071	6.5354331
3.362	36.5	3.091	6618110.236	6.6181102
3.368	36.6	3.099	6629921.26	6.6299213
3.34	36.7	3.108	6574803.15	6.5748031
3.359	36.8	3.116	6612204.724	6.6122047
3.426	36.9	3.125	6744094.488	6.7440945
3.391	37	3.133	6675196.85	6.6751969
3.345	37.1	3.142	6584645.669	6.5846457
3.391	37.2	3.15	6675196.85	6.6751969
3.425	37.3	3.159	6742125.984	6.742126
3.373	37.4	3.167	6639763.78	6.6397638
3.404	37.5	3.176	6700787.402	6.7007874
3.423	37.6	3.184	6738188.976	6.738189
3.406	37.7	3.193	6704724.409	6.7047244
3.366	37.8	3.201	6625984.252	6.6259843
3.455	37.9	3.21	6801181.102	6.8011811
3.45	38	3.218	6791338.583	6.7913386

3.404	38.1	3.227	6700787.402	6.7007874
3.407	38.2	3.235	6706692.913	6.7066929
3.479	38.3	3.244	6848425.197	6.8484252
3.442	38.4	3.252	6775590.551	6.7755906
3.444	38.5	3.261	6779527.559	6.7795276
3.459	38.6	3.269	6809055.118	6.8090551
3.472	38.7	3.278	6834645.669	6.8346457
3.457	38.8	3.286	6805118.11	6.8051181
3.492	38.9	3.295	6874015.748	6.8740157
3.516	39	3.303	6921259.843	6.9212598
3.489	39.1	3.312	6868110.236	6.8681102
3.467	39.2	3.32	6824803.15	6.8248031
3.49	39.3	3.329	6870078.74	6.8700787
3.467	39.4	3.337	6824803.15	6.8248031
3.454	39.5	3.346	6799212.598	6.7992126
3.515	39.6	3.354	6919291.339	6.9192913
3.539	39.7	3.363	6966535.433	6.9665354
3.49	39.8	3.371	6870078.74	6.8700787
3.502	39.9	3.38	6893700.787	6.8937008
3.536	40	3.389	6960629.921	6.9606299
3.504	40.1	3.397	6897637.795	6.8976378
3.497	40.2	3.406	6883858.268	6.8838583
3.547	40.3	3.414	6982283.465	6.9822835
3.539	40.4	3.423	6966535.433	6.9665354
3.509	40.5	3.432	6907480.315	6.9074803
3.516	40.6	3.44	6921259.843	6.9212598
3.562	40.7	3.448	7011811.024	7.011811
3.527	40.8	3.456	6942913.386	6.9429134
3.514	40.9	3.465	6917322.835	6.9173228
3.565	41	3.473	7017716.535	7.0177165
3.596	41.1	3.482	7078740.157	7.0787402
3.555	41.2	3.49	6998031.496	6.9980315
3.555	41.3	3.498	6998031.496	6.9980315
3.549	41.4	3.506	6986220.472	6.9862205
3.555	41.5	3.514	6998031.496	6.9980315
3.546	41.6	3.523	6980314.961	6.980315
3.577	41.7	3.531	7041338.583	7.0413386
3.566	41.8	3.54	7019685.039	7.019685
3.54	41.9	3.548	6968503.937	6.9685039
3.573	42	3.557	7033464.567	7.0334646
3.603	42.1	3.566	7092519.685	7.0925197
3.599	42.2	3.575	7084645.669	7.0846457
3.579	42.3	3.583	7045275.591	7.0452756
3.597	42.4	3.592	7080708.661	7.0807087
3.598	42.5	3.6	7082677.165	7.0826772
3.58	42.6	3.609	7047244.094	7.0472441
3.609	42.7	3.617	7104330.709	7.1043307
3.63	42.8	3.626	7145669.291	7.1456693
3.605	42.9	3.634	7096456.693	7.0964567

3.603	43	3.643	7092519.685	7.0925197
3.663	43.1	3.651	7210629.921	7.2106299
3.619	43.2	3.66	7124015.748	7.1240157
3.58	43.3	3.668	7047244.094	7.0472441
3.62	43.4	3.677	7125984.252	7.1259843
3.64	43.5	3.685	7165354.331	7.1653543
3.616	43.6	3.694	7118110.236	7.1181102
3.617	43.7	3.702	7120078.74	7.1200787
3.66	43.8	3.711	7204724.409	7.2047244
3.623	43.9	3.719	7131889.764	7.1318898
3.595	44	3.728	7076771.654	7.0767717
3.661	44.1	3.736	7206692.913	7.2066929
3.667	44.2	3.745	7218503.937	7.2185039
3.608	44.3	3.753	7102362.205	7.1023622
3.593	44.4	3.761	7072834.646	7.0728346
3.64	44.5	3.77	7165354.331	7.1653543
3.591	44.6	3.779	7068897.638	7.0688976
3.58	44.7	3.787	7047244.094	7.0472441
3.612	44.8	3.796	7110236.22	7.1102362
3.634	44.9	3.804	7153543.307	7.1535433
3.585	45	3.813	7057086.614	7.0570866
3.592	45.1	3.821	7070866.142	7.0708661
3.62	45.2	3.83	7125984.252	7.1259843
3.612	45.3	3.839	7110236.22	7.1102362
3.578	45.4	3.848	7043307.087	7.0433071
3.596	45.5	3.856	7078740.157	7.0787402
3.608	45.6	3.864	7102362.205	7.1023622
3.587	45.7	3.873	7061023.622	7.0610236
3.585	45.8	3.881	7057086.614	7.0570866
3.613	45.9	3.889	7112204.724	7.1122047
3.573	46	3.898	7033464.567	7.0334646
3.535	46.1	3.906	6958661.417	6.9586614
3.613	46.2	3.915	7112204.724	7.1122047
3.599	46.3	3.923	7084645.669	7.0846457
3.566	46.4	3.932	7019685.039	7.019685
3.58	46.5	3.94	7047244.094	7.0472441
3.591	46.6	3.949	7068897.638	7.0688976
3.556	46.7	3.957	7000000	7
3.568	46.8	3.966	7023622.047	7.023622
3.603	46.9	3.974	7092519.685	7.0925197
3.587	47	3.983	7061023.622	7.0610236
3.517	47.1	3.991	6923228.346	6.9232283
3.552	47.2	4	6992125.984	6.992126
3.596	47.3	4.008	7078740.157	7.0787402
3.56	47.4	4.017	7007874.016	7.007874
3.557	47.5	4.025	7001968.504	7.0019685
3.587	47.6	4.034	7061023.622	7.0610236
3.541	47.7	4.042	6970472.441	6.9704724
3.482	47.8	4.051	6854330.709	6.8543307

3.539	47.9	4.059	6966535.433	6.9665354
3.551	48	4.068	6990157.48	6.9901575
3.51	48.1	4.077	6909448.819	6.9094488
3.514	48.2	4.085	6917322.835	6.9173228
3.545	48.3	4.094	6978346.457	6.9783465
3.516	48.4	4.102	6921259.843	6.9212598
3.484	48.5	4.111	6858267.717	6.8582677
3.489	48.6	4.119	6868110.236	6.8681102
3.518	48.7	4.128	6925196.85	6.9251969
3.472	48.8	4.136	6834645.669	6.8346457
3.494	48.9	4.145	6877952.756	6.8779528
3.528	49	4.153	6944881.89	6.9448819
3.506	49.1	4.162	6901574.803	6.9015748
3.503	49.2	4.17	6895669.291	6.8956693
3.49	49.3	4.178	6870078.74	6.8700787
3.468	49.4	4.187	6826771.654	6.8267717
3.454	49.5	4.196	6799212.598	6.7992126
3.486	49.6	4.204	6862204.724	6.8622047
3.527	49.7	4.213	6942913.386	6.9429134
3.469	49.8	4.221	6828740.157	6.8287402
3.457	49.9	4.23	6805118.11	6.8051181
3.508	50	4.238	6905511.811	6.9055118
3.481	50.1	4.247	6852362.205	6.8523622
3.428	50.2	4.255	6748031.496	6.7480315
3.472	50.3	4.264	6834645.669	6.8346457
3.485	50.4	4.272	6860236.22	6.8602362
3.406	50.5	4.28	6704724.409	6.7047244
3.37	50.6	4.288	6633858.268	6.6338583
3.379	50.7	4.297	6651574.803	6.6515748
3.34	50.8	4.305	6574803.15	6.5748031
3.247	50.9	4.314	6391732.283	6.3917323
3.29	51	4.322	6476377.953	6.476378
3.3	51.1	4.332	6496062.992	6.496063
3.264	51.2	4.34	6425196.85	6.4251969
3.256	51.3	4.349	6409448.819	6.4094488
3.279	51.4	4.357	6454724.409	6.4547244
3.293	51.5	4.366	6482283.465	6.4822835
3.226	51.6	4.374	6350393.701	6.3503937
3.218	51.7	4.383	6334645.669	6.3346457
3.224	51.8	4.391	6346456.693	6.3464567
3.186	51.9	4.4	6271653.543	6.2716535
3.171	52	4.407	6242125.984	6.242126
3.167	52.1	4.416	6234251.969	6.234252
3.141	52.2	4.424	6183070.866	6.1830709
3.121	52.3	4.433	6143700.787	6.1437008
3.123	52.4	4.441	6147637.795	6.1476378
3.108	52.5	4.45	6118110.236	6.1181102
3.041	52.6	4.458	5986220.472	5.9862205
3.035	52.7	4.467	5974409.449	5.9744094

3.065	52.8	4.476	6033464.567	6.0334646
3.024	52.9	4.484	5952755.906	5.9527559
3.019	53	4.493	5942913.386	5.9429134
3.037	53.1	4.502	5978346.457	5.9783465
3.025	53.2	4.51	5954724.409	5.9547244
2.989	53.3	4.519	5883858.268	5.8838583
3.015	53.4	4.527	5935039.37	5.9350394
3.007	53.5	4.535	5919291.339	5.9192913
2.97	53.6	4.544	5846456.693	5.8464567
2.907	53.7	4.552	5722440.945	5.7224409
2.934	53.8	4.561	5775590.551	5.7755906
2.903	53.9	4.569	5714566.929	5.7145669
2.86	54	4.578	5629921.26	5.6299213
2.892	54.1	4.586	5692913.386	5.6929134
2.925	54.2	4.595	5757874.016	5.757874
2.89	54.3	4.603	5688976.378	5.6889764
2.87	54.4	4.612	5649606.299	5.6496063
2.919	54.5	4.621	5746062.992	5.746063
2.89	54.6	4.629	5688976.378	5.6889764
2.845	54.7	4.638	5600393.701	5.6003937
2.86	54.8	4.646	5629921.26	5.6299213
2.896	54.9	4.654	5700787.402	5.7007874
2.882	55	4.663	5673228.346	5.6732283
2.865	55.1	4.671	5639763.78	5.6397638
2.897	55.2	4.68	5702755.906	5.7027559
2.843	55.3	4.688	5596456.693	5.5964567
2.825	55.4	4.697	5561023.622	5.5610236
2.805	55.5	4.705	5521653.543	5.5216535
2.816	55.6	4.714	5543307.087	5.5433071
2.801	55.7	4.722	5513779.528	5.5137795
2.814	55.8	4.731	5539370.079	5.5393701
2.838	55.9	4.739	5586614.173	5.5866142
2.812	56	4.748	5535433.071	5.5354331
2.795	56.1	4.756	5501968.504	5.5019685
2.841	56.2	4.765	5592519.685	5.5925197
2.846	56.3	4.773	5602362.205	5.6023622
2.785	56.4	4.782	5482283.465	5.4822835
2.787	56.5	4.79	5486220.472	5.4862205
2.832	56.6	4.799	5574803.15	5.5748031
2.778	56.7	4.807	5468503.937	5.4685039
2.789	56.8	4.816	5490157.48	5.4901575
2.838	56.9	4.824	5586614.173	5.5866142
2.832	57	4.833	5574803.15	5.5748031
2.805	57.1	4.841	5521653.543	5.5216535
2.825	57.2	4.85	5561023.622	5.5610236
2.838	57.3	4.858	5586614.173	5.5866142
2.782	57.4	4.867	5476377.953	5.476378
2.794	57.5	4.875	5500000	5.5
2.859	57.6	4.884	5627952.756	5.6279528

2.846	57.7	4.892	5602362.205	5.6023622
2.785	57.8	4.901	5482283.465	5.4822835
2.816	57.9	4.909	5543307.087	5.5433071
2.842	58	4.918	5594488.189	5.5944882
2.808	58.1	4.926	5527559.055	5.5275591
2.79	58.2	4.935	5492125.984	5.492126
2.833	58.3	4.943	5576771.654	5.5767717
2.834	58.4	4.952	5578740.157	5.5787402
2.787	58.5	4.96	5486220.472	5.4862205
2.822	58.6	4.969	5555118.11	5.5551181
2.843	58.7	4.977	5596456.693	5.5964567
2.814	58.8	4.986	5539370.079	5.5393701
2.815	58.9	4.994	5541338.583	5.5413386
2.822	59	5.003	5555118.11	5.5551181
2.812	59.1	5.011	5535433.071	5.5354331
2.784	59.2	5.02	5480314.961	5.480315
2.826	59.3	5.028	5562992.126	5.5629921
2.858	59.4	5.037	5625984.252	5.6259843
2.807	59.5	5.045	5525590.551	5.5255906
2.84	59.6	5.054	5590551.181	5.5905512
2.869	59.7	5.062	5647637.795	5.6476378
2.821	59.8	5.071	5553149.606	5.5531496
2.797	59.9	5.079	5505905.512	5.5059055
2.857	60	5.088	5624015.748	5.6240157
2.836	60.1	5.096	5582677.165	5.5826772
2.803	60.2	5.105	5517716.535	5.5177165
2.822	60.3	5.113	5555118.11	5.5551181
2.86	60.4	5.122	5629921.26	5.6299213
2.818	60.5	5.13	5547244.094	5.5472441
2.793	60.6	5.139	5498031.496	5.4980315
2.841	60.7	5.147	5592519.685	5.5925197
2.858	60.8	5.156	5625984.252	5.6259843
2.804	60.9	5.164	5519685.039	5.519685
2.802	61	5.173	5515748.031	5.515748
2.862	61.1	5.181	5633858.268	5.6338583
2.824	61.2	5.19	5559055.118	5.5590551
2.796	61.3	5.199	5503937.008	5.503937
2.83	61.4	5.207	5570866.142	5.5708661
2.835	61.5	5.215	5580708.661	5.5807087
2.808	61.6	5.224	5527559.055	5.5275591
2.83	61.7	5.233	5570866.142	5.5708661
2.875	61.8	5.241	5659448.819	5.6594488
2.826	61.9	5.25	5562992.126	5.5629921
2.799	62	5.258	5509842.52	5.5098425
2.834	62.1	5.266	5578740.157	5.5787402
2.836	62.2	5.275	5582677.165	5.5826772
2.807	62.3	5.283	5525590.551	5.5255906
2.828	62.4	5.292	5566929.134	5.5669291
2.835	62.5	5.3	5580708.661	5.5807087

2.808	62.6	5.309	5527559.055	5.5275591
2.83	62.7	5.317	5570866.142	5.5708661
2.851	62.8	5.326	5612204.724	5.6122047
2.829	62.9	5.334	5568897.638	5.5688976
2.81	63	5.342	5531496.063	5.5314961
2.828	63.1	5.351	5566929.134	5.5669291
2.836	63.2	5.359	5582677.165	5.5826772
2.779	63.3	5.368	5470472.441	5.4704724
2.809	63.4	5.376	5529527.559	5.5295276
2.857	63.5	5.385	5624015.748	5.6240157
2.835	63.6	5.394	5580708.661	5.5807087
2.789	63.7	5.402	5490157.48	5.4901575
2.829	63.8	5.411	5568897.638	5.5688976
2.845	63.9	5.419	5600393.701	5.6003937
2.787	64	5.428	5486220.472	5.4862205
2.802	64.1	5.437	5515748.031	5.515748
2.858	64.2	5.445	5625984.252	5.6259843
2.827	64.3	5.454	5564960.63	5.5649606
2.799	64.4	5.462	5509842.52	5.5098425
2.839	64.5	5.471	5588582.677	5.5885827
2.842	64.6	5.479	5594488.189	5.5944882
2.792	64.7	5.488	5496062.992	5.496063
2.808	64.8	5.496	5527559.055	5.5275591
2.824	64.9	5.505	5559055.118	5.5590551
2.809	65	5.513	5529527.559	5.5295276
2.791	65.1	5.522	5494094.488	5.4940945
2.785	65.2	5.53	5482283.465	5.4822835
2.821	65.3	5.539	5553149.606	5.5531496
2.771	65.4	5.547	5454724.409	5.4547244
2.796	65.5	5.556	5503937.008	5.503937
2.826	65.6	5.564	5562992.126	5.5629921
2.796	65.7	5.573	5503937.008	5.503937
2.792	65.8	5.581	5496062.992	5.496063
2.816	65.9	5.59	5543307.087	5.5433071
2.806	66	5.598	5523622.047	5.523622
2.77	66.1	5.607	5452755.906	5.4527559
2.794	66.2	5.615	5500000	5.5
2.815	66.3	5.624	5541338.583	5.5413386
2.777	66.4	5.632	5466535.433	5.4665354
2.781	66.5	5.641	5474409.449	5.4744094
2.831	66.6	5.649	5572834.646	5.5728346
2.792	66.7	5.658	5496062.992	5.496063
2.761	66.8	5.666	5435039.37	5.4350394
2.81	66.9	5.675	5531496.063	5.5314961
2.828	67	5.683	5566929.134	5.5669291
2.745	67.1	5.692	5403543.307	5.4035433
2.792	67.2	5.7	5496062.992	5.496063
2.828	67.3	5.709	5566929.134	5.5669291
2.819	67.4	5.717	5549212.598	5.5492126

2.751	67.5	5.726	5415354.331	5.4153543
2.791	67.6	5.734	5494094.488	5.4940945
2.793	67.7	5.743	5498031.496	5.4980315
2.742	67.8	5.751	5397637.795	5.3976378
2.771	67.9	5.76	5454724.409	5.4547244
2.825	68	5.768	5561023.622	5.5610236
2.814	68.1	5.777	5539370.079	5.5393701
2.724	68.2	5.786	5362204.724	5.3622047
2.743	68.3	5.794	5399606.299	5.3996063
2.774	68.4	5.803	5460629.921	5.4606299
2.757	68.5	5.811	5427165.354	5.4271654
2.76	68.6	5.82	5433070.866	5.4330709
2.79	68.7	5.829	5492125.984	5.492126
2.75	68.8	5.837	5413385.827	5.4133858
2.751	68.9	5.845	5415354.331	5.4153543
2.774	69	5.853	5460629.921	5.4606299
2.77	69.1	5.862	5452755.906	5.4527559
2.719	69.2	5.87	5352362.205	5.3523622
2.731	69.3	5.879	5375984.252	5.3759843
2.777	69.4	5.887	5466535.433	5.4665354
2.745	69.5	5.895	5403543.307	5.4035433
2.734	69.6	5.903	5381889.764	5.3818898
2.757	69.7	5.911	5427165.354	5.4271654
2.752	69.8	5.92	5417322.835	5.4173228
2.723	69.9	5.928	5360236.22	5.3602362
2.766	70	5.937	5444881.89	5.4448819
2.749	70.1	5.946	5411417.323	5.4114173
2.697	70.2	5.954	5309055.118	5.3090551
2.693	70.3	5.963	5301181.102	5.3011811
2.752	70.4	5.971	5417322.835	5.4173228
2.752	70.5	5.98	5417322.835	5.4173228
2.703	70.6	5.989	5320866.142	5.3208661
2.726	70.7	5.997	5366141.732	5.3661417
2.741	70.8	6.006	5395669.291	5.3956693
2.675	70.9	6.015	5265748.031	5.265748
2.678	71	6.023	5271653.543	5.2716535
2.752	71.1	6.031	5417322.835	5.4173228
2.707	71.2	6.04	5328740.157	5.3287402
2.659	71.3	6.048	5234251.969	5.234252
2.704	71.4	6.057	5322834.646	5.3228346
2.716	71.5	6.065	5346456.693	5.3464567
2.667	71.6	6.074	5250000	5.25
2.693	71.7	6.082	5301181.102	5.3011811
2.726	71.8	6.091	5366141.732	5.3661417
2.684	71.9	6.099	5283464.567	5.2834646
2.665	72	6.108	5246062.992	5.246063
2.67	72.1	6.116	5255905.512	5.2559055
2.715	72.2	6.125	5344488.189	5.3444882
2.654	72.3	6.133	5224409.449	5.2244094

2.67	72.4	6.142	5255905.512	5.2559055
2.692	72.5	6.15	5299212.598	5.2992126
2.645	72.6	6.159	5206692.913	5.2066929
2.653	72.7	6.167	5222440.945	5.2224409
2.698	72.8	6.176	5311023.622	5.3110236
2.654	72.9	6.184	5224409.449	5.2244094
2.59	73	6.193	5098425.197	5.0984252
2.62	73.1	6.201	5157480.315	5.1574803
2.676	73.2	6.21	5267716.535	5.2677165
2.6	73.3	6.218	5118110.236	5.1181102
2.596	73.4	6.227	5110236.22	5.1102362
2.652	73.5	6.236	5220472.441	5.2204724
2.629	73.6	6.244	5175196.85	5.1751969
2.578	73.7	6.253	5074803.15	5.0748031
2.589	73.8	6.262	5096456.693	5.0964567
2.619	73.9	6.27	5155511.811	5.1555118
2.563	74	6.278	5045275.591	5.0452756
2.569	74.1	6.286	5057086.614	5.0570866
2.614	74.2	6.295	5145669.291	5.1456693
2.6	74.3	6.303	5118110.236	5.1181102
2.514	74.4	6.312	4948818.898	4.9488189
2.548	74.5	6.32	5015748.031	5.015748
2.563	74.6	6.329	5045275.591	5.0452756
2.514	74.7	6.337	4948818.898	4.9488189
2.526	74.8	6.346	4972440.945	4.9724409
2.548	74.9	6.354	5015748.031	5.015748
2.53	75	6.363	4980314.961	4.980315
2.507	75.1	6.371	4935039.37	4.9350394
2.528	75.2	6.38	4976377.953	4.976378
2.532	75.3	6.388	4984251.969	4.984252
2.507	75.4	6.397	4935039.37	4.9350394
2.489	75.5	6.405	4899606.299	4.8996063
2.52	75.6	6.414	4960629.921	4.9606299
2.49	75.7	6.422	4901574.803	4.9015748
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2.505	75.9	6.439	4931102.362	4.9311024
2.494	76	6.448	4909448.819	4.9094488
2.451	76.1	6.456	4824803.15	4.8248031
2.458	76.2	6.465	4838582.677	4.8385827
2.481	76.3	6.473	4883858.268	4.8838583
2.455	76.4	6.482	4832677.165	4.8326772
2.447	76.5	6.491	4816929.134	4.8169291
2.503	76.6	6.499	4927165.354	4.9271654
2.468	76.7	6.508	4858267.717	4.8582677
2.413	76.8	6.516	4750000	4.75
2.431	76.9	6.525	4785433.071	4.7854331
2.484	77	6.533	4889763.78	4.8897638
2.426	77.1	6.541	4775590.551	4.7755906
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2.428	77.3	6.558	4779527.559	4.7795276
2.376	77.4	6.567	4677165.354	4.6771654
2.311	77.5	6.575	4549212.598	4.5492126
2.369	77.6	6.584	4663385.827	4.6633858
2.412	77.7	6.592	4748031.496	4.7480315
2.356	77.8	6.601	4637795.276	4.6377953
2.312	77.9	6.609	4551181.102	4.5511811
2.337	78	6.618	4600393.701	4.6003937
2.323	78.1	6.627	4572834.646	4.5728346
2.282	78.2	6.635	4492125.984	4.492126
2.318	78.3	6.644	4562992.126	4.5629921
2.336	78.4	6.652	4598425.197	4.5984252
2.279	78.5	6.661	4486220.472	4.4862205
2.287	78.6	6.669	4501968.504	4.5019685
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2.286	78.9	6.694	4500000	4.5
2.299	79	6.702	4525590.551	4.5255906
2.292	79.1	6.711	4511811.024	4.511811
2.262	79.2	6.719	4452755.906	4.4527559
2.256	79.3	6.728	4440944.882	4.4409449
2.284	79.4	6.736	4496062.992	4.496063
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2.257	79.6	6.754	4442913.386	4.4429134
2.269	79.7	6.763	4466535.433	4.4665354
2.269	79.8	6.771	4466535.433	4.4665354
2.216	79.9	6.78	4362204.724	4.3622047
2.243	80	6.788	4415354.331	4.4153543
2.273	80.1	6.797	4474409.449	4.4744094
2.242	80.2	6.805	4413385.827	4.4133858
2.215	80.3	6.813	4360236.22	4.3602362
2.261	80.4	6.821	4450787.402	4.4507874
2.245	80.5	6.83	4419291.339	4.4192913
2.186	80.6	6.838	4303149.606	4.3031496
2.226	80.7	6.847	4381889.764	4.3818898
2.281	80.8	6.855	4490157.48	4.4901575
2.192	80.9	6.864	4314960.63	4.3149606
2.163	81	6.872	4257874.016	4.257874
2.233	81.1	6.881	4395669.291	4.3956693
2.223	81.2	6.889	4375984.252	4.3759843
2.152	81.3	6.898	4236220.472	4.2362205
2.164	81.4	6.907	4259842.52	4.2598425
2.213	81.5	6.916	4356299.213	4.3562992
2.15	81.6	6.924	4232283.465	4.2322835
2.14	81.7	6.932	4212598.425	4.2125984
2.17	81.8	6.941	4271653.543	4.2716535
2.137	81.9	6.949	4206692.913	4.2066929
2.109	82	6.958	4151574.803	4.1515748
2.095	82.1	6.966	4124015.748	4.1240157

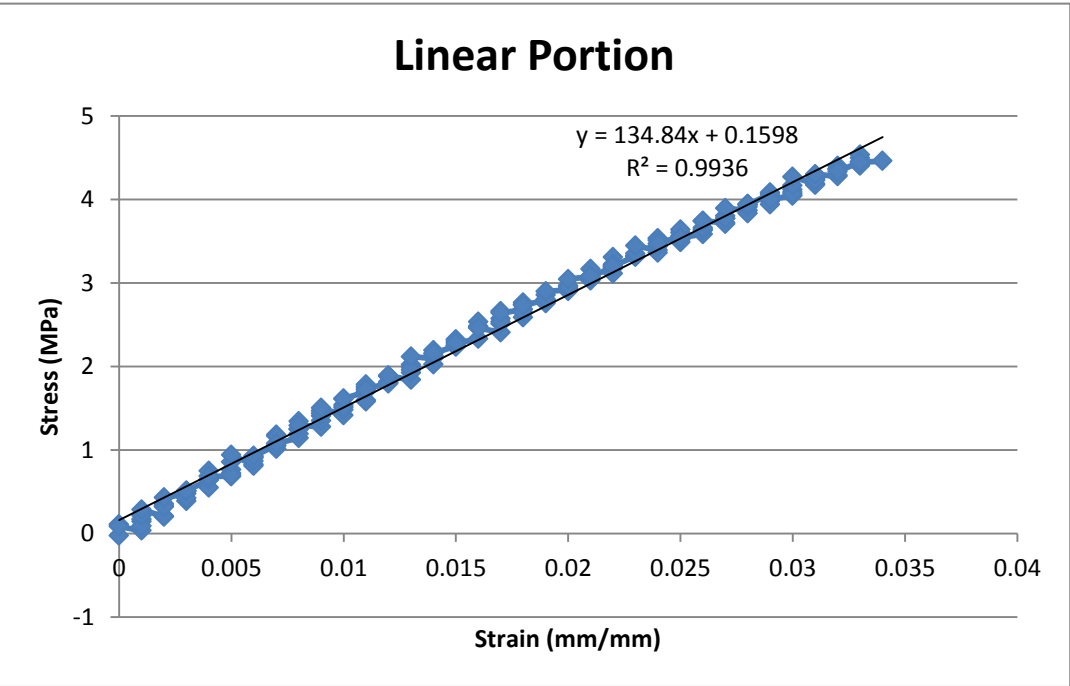
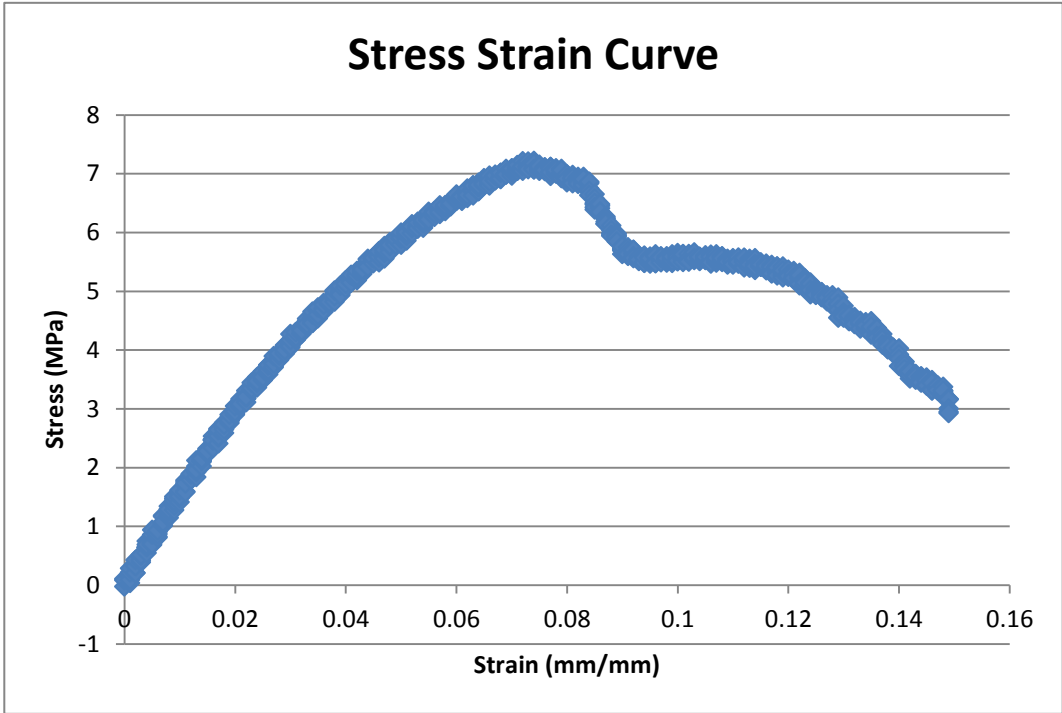
2.122	82.2	6.975	4177165.354	4.1771654
2.078	82.3	6.983	4090551.181	4.0905512
2.08	82.4	6.992	4094488.189	4.0944882
2.096	82.5	7	4125984.252	4.1259843
2.068	82.6	7.009	4070866.142	4.0708661
2.036	82.7	7.017	4007874.016	4.007874
2.041	82.8	7.026	4017716.535	4.0177165
2.059	82.9	7.035	4053149.606	4.0531496
2.03	83	7.043	3996062.992	3.996063
2.041	83.1	7.052	4017716.535	4.0177165
2.05	83.2	7.06	4035433.071	4.0354331
2.033	83.3	7.069	4001968.504	4.0019685
2.019	83.4	7.077	3974409.449	3.9744094
2.052	83.5	7.085	4039370.079	4.0393701
2.044	83.6	7.094	4023622.047	4.023622
1.966	83.7	7.102	3870078.74	3.8700787
1.962	83.8	7.111	3862204.724	3.8622047
1.993	83.9	7.119	3923228.346	3.9232283
1.954	84	7.128	3846456.693	3.8464567
1.892	84.1	7.137	3724409.449	3.7244094
1.933	84.2	7.145	3805118.11	3.8051181
1.928	84.3	7.153	3795275.591	3.7952756
1.854	84.4	7.162	3649606.299	3.6496063
1.893	84.5	7.17	3726377.953	3.726378
1.899	84.6	7.179	3738188.976	3.738189
1.866	84.7	7.187	3673228.346	3.6732283
1.848	84.8	7.196	3637795.276	3.6377953
1.857	84.9	7.204	3655511.811	3.6555118
1.86	85	7.213	3661417.323	3.6614173
1.784	85.1	7.221	3511811.024	3.511811
1.811	85.2	7.23	3564960.63	3.5649606
1.846	85.3	7.238	3633858.268	3.6338583
1.817	85.4	7.247	3576771.654	3.5767717
1.801	85.5	7.255	3545275.591	3.5452756
1.825	85.6	7.264	3592519.685	3.5925197
1.808	85.7	7.272	3559055.118	3.5590551
1.773	85.8	7.281	3490157.48	3.4901575
1.801	85.9	7.289	3545275.591	3.5452756
1.804	86	7.298	3551181.102	3.5511811
1.795	86.1	7.306	3533464.567	3.5334646
1.796	86.2	7.315	3535433.071	3.5354331
1.777	86.3	7.323	3498031.496	3.4980315
1.759	86.4	7.332	3462598.425	3.4625984
1.748	86.5	7.34	3440944.882	3.4409449
1.794	86.6	7.349	3531496.063	3.5314961
1.784	86.7	7.357	3511811.024	3.511811
1.731	86.8	7.366	3407480.315	3.4074803
1.734	86.9	7.374	3413385.827	3.4133858
1.766	87	7.383	3476377.953	3.476378

1.723	87.1	7.391	3391732.283	3.3917323
1.697	87.2	7.4	3340551.181	3.3405512
1.772	87.3	7.408	3488188.976	3.488189
1.757	87.4	7.417	3458661.417	3.4586614
1.679	87.5	7.425	3305118.11	3.3051181
1.686	87.6	7.434	3318897.638	3.3188976
1.747	87.7	7.442	3438976.378	3.4389764
1.722	87.8	7.451	3389763.78	3.3897638
1.681	87.9	7.459	3309055.118	3.3090551
1.712	88	7.468	3370078.74	3.3700787
1.723	88.1	7.476	3391732.283	3.3917323
1.685	88.2	7.485	3316929.134	3.3169291
1.679	88.3	7.493	3305118.11	3.3051181
1.712	88.4	7.502	3370078.74	3.3700787
1.668	88.5	7.51	3283464.567	3.2834646
1.634	88.6	7.519	3216535.433	3.2165354
1.66	88.7	7.527	3267716.535	3.2677165
1.68	88.8	7.536	3307086.614	3.3070866
1.609	88.9	7.544	3167322.835	3.1673228
1.608	89	7.553	3165354.331	3.1653543
1.602	89.1	7.561	3153543.307	3.1535433
1.526	89.2	7.57	3003937.008	3.003937
1.498	89.3	7.578	2948818.898	2.9488189
1.487	89.31	7.579	2927165.354	2.9271654



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