APPENDICES

Data of pure PMMA

Table 1 T_s = 59 °C., t_s = 20 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8240583 Stress = 260416.7 Pa $\varepsilon(0)$ = 0.031601733

conseq	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
39	7.8	0.035856	0.035386	-3.918871	1.119752	0.113107	2.054124	-2.179423
46	9.2	0.037076	0.036606	-3.753792	1.158364	0.147008	2.219203	-1.917266
96	19.2	0.041550	0.041080	-3.018085	1.299941	0.262319	2.954910	-1.338193
196	39.2	0.047244	0.046775	-2.304318	1.480131	0.392131	3.668677	-0.936160
246	49.2	0.049278	0.048808	-2.077101	1.544485	0.434690	3.895894	-0.833121
296	59.2	0.051515	0.051045	-1.892073	1.615274	0.479504	4.080922	-0.735002
346	69.2	0.052735	0.052266	-1.735994	1.653886	0.503128	4.237001	-0.686911
396	79.2	0.054566	0.054096	-1.601019	1.711804	0.537548	4.371976	-0.620738
446	89.2	0.056193	0.055723	-1.482114	1.763287	0.567180	4.490881	-0.567079
496	99.2	0.057413	0.056943	-1.375857	1.801899	0.588841	4.597138	-0.529599
540	108.0	0.058633	0.058163	-1.290864	1.840511	0.610043	4.682131	-0.494225

Table 2 T_s = 59 °C., t_s = 40 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8365727 Stress = 260416.7 Pa $\varepsilon(0)$ = 0.03112899

conseq	time(sec.)	%strain	%real strain, $\varepsilon(t)$	ln(t/t0)	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
18	7.2	0.041446267	0.035190838	-4.162479041	1.130484136	0.12264598	1.974081026	-2.098453288
46	18.4	0.046531649	0.04027622	-3.224209402	1.293848919	0.257621434	2.912350665	-1.356264082
71	28.4	0.049786293	0.043530864	-2.790170922	1.398402364	0.335330417	3.346389145	-1.092638915
96	38.4	0.05161703	0.045361601	-2.488502607	1.457213669	0.376526167	3.64805746	-0.976767734
121	48.4	0.053447767	0.047192338	-2.257060253	1.516024975	0.416091761	3.879499814	-0.876849464
146	58.4	0.055278505	0.049023076	-2.069244177	1.574836312	0.454151338	4.06731589	-0.789324793
171	68.4	0.056905827	0.050650398	-1.911187242	1.627113035	0.4868073	4.225372825	-0.719886922
196	78.4	0.058329733	0.052074304	-1.774736139	1.672855143	0.514531833	4.361823927	-0.664497854
221	88.4	0.060160471	0.053905042	-1.654688097	1.73166648	0.549084228	4.48187197	-0.599503428
246	98.4	0.061380962	0.055125533	-1.547519263	1.770874006	0.571473214	4.589040804	-0.559537667
271	108.4	0.062398039	0.05614261	-1.450731978	1.803546982	0.589755272	4.685828089	-0.528047622
296	118.4	0.063415115	0.057159686	-1.362491344	1.836219926	0.60770907	4.774068722	-0.498059014
321	128.4	0.064228776	0.057973347	-1.281409675	1.862358287	0.621843581	4.855150391	-0.475066695
396	158.4	0.067076589	0.06082116	-1.071436587	1.953842536	0.669797965	5.065123479	-0.400779157
421	168.4	0.068297081	0.062041652	-1.010217965	1.993050094	0.689666176	5.126342102	-0.371547601
496	198.4	0.071551725	0.065296296	-0.846274872	2.09760354	0.740795522	5.290285195	-0.300030641
521	208.4	0.072365386	0.066109957	-0.797100757	2.123741901	0.753179581	5.33945931	-0.283451593
540	216	0.072772216	0.066516787	-0.761281659	2.136811066	0.759314562	5.375278408	-0.275339145

Table 3 T_a = 59 °C., t_a = 80 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8397859 Stress = 2604167 Pa $\varepsilon(0)$ = 0.310098919

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	ln(t/t0)	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
9	7.2	0.040580637	0.033974267	-4.345715573	1.095594509	0.091297147	1.974081026	-2.393635743
21	16.8	0.045259728	0.038653358	-3.498417713	1.246484781	0.220327414	2.821378886	-1.512640593
46	36.8	0.050549135	0.043942765	-2.714298754	1.417056385	0.348581751	3.605497845	-1.053882496
71	56.8	0.054211032	0.047604662	-2.280260274	1.535144413	0.428624457	4.039536326	-0.847174136
96	76.8	0.056652296	0.050045926	-1.978591959	1.613869744	0.478634863	4.34120464	-0.736817263
121	96.8	0.059297	0.05269063	-1.747149605	1.699155562	0.530131399	4.572646994	-0.63463038
146	116.8	0.06092451	0.05431814	-1.559333529	1.751639137	0.560552	4.76046307	-0.578833267
171	136.8	0.063365774	0.056759404	-1.401276594	1.830364468	0.60451511	4.918520005	-0.503328613
196	156.8	0.064586407	0.057980037	-1.264825491	1.869727166	0.62579252	5.054971108	-0.468736401
221	176.8	0.0656036	0.05899723	-1.144777449	1.902529376	0.643184252	5.17501915	-0.441324046
246	196.8	0.067027671	0.060421301	-1.037608615	1.948452497	0.667035466	5.282187985	-0.404912062
271	216.8	0.069062059	0.062455689	-0.94082133	2.014056982	0.700151087	5.37897527	-0.356459129
296	236.8	0.070689568	0.064083198	-0.852580696	2.066540525	0.725875965	5.467215903	-0.320376125
321	256.8	0.07211364	0.06550727	-0.771499027	2.112463678	0.747854886	5.548297572	-0.290546322
346	276.8	0.073334272	0.066727902	-0.696501376	2.151826344	0.766316944	5.623295224	-0.26615943
371	296.8	0.074554904	0.067948534	-0.626738088	2.191189009	0.784444323	5.693058511	-0.242779681
396	316.8	0.075572098	0.068965728	-0.561525939	2.223991252	0.799303443	5.75827066	-0.224014627
421	336.8	0.07679273	0.07018636	-0.500307317	2.263353917	0.816847747	5.819489282	-0.202302557
446	356.8	0.078013363	0.071406993	-0.442621199	2.302716615	0.834089563	5.877175401	-0.181414493
471	376.8	0.078827117	0.072220747	-0.388082057	2.32895837	0.845421116	5.931714543	-0.167920413
496	396.8	0.080454627	0.073848257	-0.336364224	2.381441946	0.867706164	5.983432375	-0.141902143
521	416.8	0.081268382	0.074662012	-0.287190109	2.407683733	0.878665179	6.03260649	-0.129351365
540	432	0.08248.015	0.075882645	-0.251371011	2.447046431	0.894881759	6.068425588	-0.111063682

Table 4 T_a = 59 °C., t_a = 160 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8521414 Stress = 260416.7 Pa $\varepsilon(0)$ = 0.030560269

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	ln(t/t0)	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
4	7.2	0.040987514	0.033770828	-4.597871392	1.105055516	0.099895575	1.974081026	-2.30362989
21	37.8	0.049531941	0.042315255	-2.939643316	1.384647896	0.325445881	3.632309103	-1.122559096
46	82.8	0.055635103	0.048418417	-2.155524357	1.584356734	0.460178479	4.416428061	-0.776140867
71	127.8	0.059703877	0.052487191	-1.721485876	1.717495938	0.54086738	4.850466542	-0.614581169
96	172.8	0.062958897	0.055742211	-1.419817562	1.824007326	0.601035908	5.152134856	-0.509100599
121	217.8	0.066213916	0.05899723	-1.188375208	1.930518683	0.657788714	5.38357721	-0.418871502
146	262.8	0.068044865	0.060828179	-1.000559132	1.990431347	0.688351373	5.571393287	-0.373455855
171	307.8	0.070893007	0.063676321	-0.842502197	2.083628796	0.734110987	5.729450221	-0.309095053
196	352.8	0.073334272	0.066117586	-0.706051094	2.163512338	0.771732983	5.865901324	-0.259116665
221	397.8	0.075775537	0.068558851	-0.586003052	2.24339588	0.807990736	5.985949366	-0.213204686
246	442.8	0.077606485	0.070389799	-0.478834217	2.303308511	0.834346573	6.093118201	-0.181106408
271	487.8	0.079640872	0.072424186	-0.382046932	2.369878113	0.862838525	6.189905486	-0.147527715
296	532.8	0.082082137	0.074865451	-0.293806299	2.449761655	0.895990736	6.278146119	-0.109825205
321	577.8	0.083709647	0.076492961	-0.21272463	2.503017349	0.917496944	6.359227788	-0.08610603
346	622.8	0.085133718	0.077917032	-0.137726978	2.549616074	0.935942789	6.43422544	-0.066200928
371	667.8	0.08635435	0.079137664	-0.067963691	2.589557828	0.951487138	6.503988728	-0.049729109
396	712.8	0.087371544	0.080154858	-0.002751542	2.622842646	0.964258709	6.569200876	-0.03639565
421	757.8	0.088388738	0.081172052	0.05846708	2.656127463	0.976869221	6.630419499	-0.023402494
446	802.8	0.090219686	0.083003	0.116153199	2.716040095	0.999174972	6.688105617	-0.000825369
471	847.8	0.091440318	0.084223632	0.170692341	2.755981849	1.013773767	6.742644759	0.013679771
480	864	0.091847196	0.08463051	0.189620351	2.769295789	1.01859306	6.761572769	0.018422322

Table 5 T_s = 59 °C., t_s = 220 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8759913 Stress = 260416.7 Pa $\varepsilon(0)$ = 0.0297282229

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
3	7.2	0.044870044	0.0301949	-4.42041233	1.183888216	0.16880412	1.974081026	-1.77901629
21	50.4	0.056652296	0.038977152	-2.474502181	1.546582274	0.436047512	3.919991175	-0.83000407
46	110.4	0.062162336	0.044487192	-1.690383223	1.765567401	0.568472112	4.704110134	-0.564803022
71	170.4	0.06723111	0.047055966	-1.256344742	1.902433071	0.643133631	5.138148614	-0.441402752
96	230.4	0.071706762	0.051031618	-0.954676428	2.052985329	0.719294992	5.439816929	-0.329483724
121	290.4	0.075368659	0.054693515	-0.723234074	2.176164446	0.777563899	5.671259283	-0.251589453
146	350.4	0.078013363	0.057338219	-0.535417997	2.265127162	0.8176309	5.859075359	-0.201344267
171	410.4	0.081268382	0.059593238	-0.377361063	2.374619692	0.864837295	6.017132294	-0.145213888
196	470.4	0.083913086	0.062237942	-0.24090996	2.463582408	0.901616554	6.153583397	-0.103565955
221	530.4	0.08635435	0.064679206	-0.120861918	2.545701797	0.934406367	6.273631439	-0.067843853
246	590.4	0.088999054	0.06602391	-0.013693083	2.634664514	0.968755855	6.380800273	-0.031742655
271	650.4	0.092050635	0.068075491	0.083094202	2.737313783	1.006977069	6.477587558	0.006952841
296	710.4	0.09501597	0.070240826	0.171334835	2.867336161	1.053383432	6.565828192	0.0520073
321	770.4	0.099984745	0.071309601	0.252416504	3.004201865	1.10001193	6.64690986	0.095321025
346	830.4	0.10303633	0.072361186	0.327414156	3.106351269	1.13360976	6.721907512	0.125407019
371	890.4	0.10608791	0.073412766	0.397177443	3.209500505	1.166115319	6.7916708	0.153677985
396	950.4	0.10913949	0.074464346	0.462389592	3.312149742	1.197597447	6.856882949	0.180317423
421	1010.4	0.11198763	0.075312486	0.523608215	3.407955651	1.226112596	6.918101571	0.203848673
446	1070.4	0.11544609	0.076770946	0.581294333	3.524291541	1.259679435	6.975787689	0.230857272
471	1130.4	0.11829423	0.077619086	0.635833475	3.62009745	1.286500945	7.030326831	0.251926088

Data of pure SAN25

Table 6 T_s = 60 °C., t_s = 20 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 12901568 Stress = 342465.8 Pa $\varepsilon(0)$ = 0.02654

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
35	7	0.030914058	0.028378607	-5.95133056	1.069095158	0.066812644	1.945910149	-2.705862942
96	19.2	0.032955684	0.030420233	-4.94233043	1.146008463	0.136285003	2.954910279	-1.993006977
146	29.2	0.033976497	0.030841046	-4.523072	1.184465115	0.169291293	3.374168709	-1.776134419
196	39.2	0.034588985	0.032053534	-4.228563962	1.207539114	0.188584499	3.668676747	-1.668209102
246	49.2	0.035201473	0.032266022	-4.001347085	1.230613114	0.207512512	3.895893623	-1.572563645
296	59.2	0.035813961	0.03327851	-3.816319167	1.253687113	0.2260889	4.080921542	-1.486826996
346	69.2	0.036426449	0.033890998	-3.660239846	1.276761112	0.24432649	4.237000863	-1.409249876
396	79.2	0.036834774	0.034299323	-3.52526441	1.292143765	0.256302673	4.371976299	-1.361396218
446	89.2	0.0372431	0.034707649	-3.406359669	1.307526457	0.268137151	4.49088104	-1.316256671
496	99.2	0.037855587	0.035320136	-3.300102695	1.330600418	0.285630282	4.597138014	-1.253057023
540	108	0.03805975	0.035524299	-3.215109482	1.338291764	0.291393997	4.682131227	-1.233078985

Table 7 T_s = 60 °C., t_s = 40 min., heating rate = 40 °C./min., cooling rate =10 °C./min.
Young'Modulus = 12914768 Stress = 342465.8 Pa $\varepsilon(0)$ = 0.026517379

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
35	7	0.031322383	0.02858277	-6.163910116	1.077888184	0.075003742	1.945910149	-2.590217275
100	20	0.033159847	0.030420234	-5.114087991	1.147181005	0.137307633	2.995732274	-1.985531372
196	39.2	0.03499731	0.031857697	-4.441143518	1.216473789	0.195956337	3.668676747	-1.629863417
296	59.2	0.035609798	0.032870185	-4.028898723	1.239571396	0.214765671	4.080921542	-1.538207746
396	79.2	0.036222286	0.033482673	-3.737843966	1.262669003	0.233227737	4.371976299	-1.455739891
496	99.2	0.036630612	0.033890999	-3.51268225	1.278067433	0.245349119	4.597138014	-1.405073108
596	119.2	0.037447262	0.034707649	-3.32901751	1.308864217	0.269159751	4.780802755	-1.312450205
696	139.2	0.038263913	0.0355243	-3.173908517	1.339661039	0.292416626	4.935911748	-1.229575693
796	159.2	0.038876401	0.036136788	-3.039658991	1.362758646	0.309511061	5.070161273	-1.172761448
896	179.2	0.039488889	0.036749276	-2.921317764	1.385856253	0.326318182	5.188502501	-1.119882356
996	199.2	0.039693051	0.036953438	-2.815510919	1.39355543	0.331858345	5.294309345	-1.103047073
1080	216	0.040305539	0.037565926	-2.734541857	1.416653037	0.348297073	5.375278408	-1.054699504

Table 8 T_s = 60 °C., t_s = 80 min., heating rate = 40 °C /min., cooling rate = 10 °C /min.
Youngs Modulus =13341988 Stress = 342465.8 Pa $\varepsilon(0)$ = 0.025668272

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
18	7.2	0.032139034	0.02858277	-6.389485348	1.113544678	0.107548331	1.974081026	-2.229814945
96	38.4	0.035201473	0.030645209	-4.715508915	1.232853011	0.209331005	3.64805746	-1.563838524
196	78.4	0.036018124	0.03186186	-4.001742447	1.26466859	0.234810104	4.361823927	-1.448978159
296	118.4	0.036630612	0.033074348	-3.589497652	1.288530265	0.253502239	4.774068722	-1.372382622
396	158.4	0.0372431	0.033686836	-3.298442895	1.31239194	0.27185138	5.065123479	-1.302499758
496	198.4	0.037651425	0.035095161	-3.073281179	1.32829971	0.283899711	5.290285195	-1.259134235
596	238.4	0.037855587	0.0358214	-2.889616439	1.336253575	0.289869859	5.473949935	-1.238323219
696	278.4	0.037447262	0.0365806	-2.734507446	1.339345805	0.277893676	5.629058928	-1.280516699
796	318.4	0.037651425	0.037210161	-2.60025792	1.40129971	0.283899711	5.763308454	-1.259134235

Table 9 T_s = 60 °C., t_s = 160 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young' s Modulus = 13424304 Stress = 342465.8 Pa $\varepsilon(0)$ = 0.02551084432

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
9	7.2	0.027443293	0.026507979	-7.111448674	1.039084432	0.038339972	1.974081026	-3.261262279
46	36.8	0.028097407	0.027162093	-5.480031855	1.064725001	0.062716551	3.605497845	-2.769129891
96	76.8	0.03030157	0.028366256	-4.74432506	1.151125834	0.14074045	4.34120464	-1.960837868
196	156.8	0.031934871	0.029799557	-4.030558592	1.215149487	0.194867104	5.054971108	-1.635437473
296	236.8	0.032955684	0.03102037	-3.618313797	1.255164265	0.227266452	5.467215903	-1 481632152
396	316.8	0.033364009	0.032428695	-3.32725904	1.271170168	0.239937868	5.75827066	-1.427375271
496	396.8	0.03418066	0.033245346	-3.102097325	1.303182014	0.264808977	5.983432375	-1.328746555
596	476.8	0.035201473	0.034266159	-2.918432584	1.343196792	0.295052438	6.167097116	-1.220602181
696	556.8	0.036222286	0.035286972	-2.763323591	1.38321157	0.32440802	6.322206109	-1.125753235
796	636.8	0.037038937	0.036103623	-2.629074066	1.415223416	0.34728741	6.456455635	-1.057602572
896	716.8	0.037855587	0.036920273	-2.510732839	1.447235223	0.369654993	6.574796862	-0.995185159
996	796.8	0.038672238	0.037736924	-2.404925994	1.479247069	0.391533221	6.680603706	-0.937684912
1080	864	0.039488889	0.038553575	-2.323956931	1.511258914	0.412943022	6.761572769	-0.884445658

Table 10 T_s = 60 °C., ta = 280 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 14176455 Stress = 342465.8 Pa $\varepsilon(0)$ = 0.024157365

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
5	7.003891051	0.034588985	0.024561956	-6.281956668	1.140933873	0.131847114	1.946465859	-2.026112259
46	64.43579767	0.037855587	0.025828558	-4.062753184	1.276155657	0.243852156	4.165669343	-1.411193116
96	134.4747082	0.038468075	0.026441046	-3.327046389	1.301509747	0.263524934	4.901376138	-1.333607289
196	274.5525292	0.039080563	0.028053534	-2.613279921	1.326863836	0.28281814	5.615142606	-1.262951203
296	414.6303502	0.040918027	0.028890998	-2.201035126	1.402926106	0.338560131	6.027387401	-1.083053563
396	694.7859922	0.041325352	0.031299323	-1.684818653	1.419828818	0.350536314	6.543603873	-1.048290972
496	834.8638132	0.042347165	0.032320136	-1.501153913	1.462085621	0.379863924	6.727268614	-0.967942186
596	974.9416342	0.043367979	0.03334095	-1.34604492	1.504342465	0.408355902	6.882377607	-0.895616176
696	1115.019455	0.045613768	0.034586739	-1.211795394	1.597307446	0.468319366	7.016627132	-0.758604811
796	1255.097276	0.047859557	0.035832528	-1.093454167	1.690272428	0.524889716	7.13496836	-0.644567103
896	1395.175097	0.049492858	0.036465829	-0.987647323	1.75788332	0.564110426	7.240775204	-0.572505255
996	1440	0.049901183	0.037874154	-0.956024134	1.774786033	0.573679871	7.272398393	-0.555683754

Data of 30/70 PMMA and SAN25 Blend

Table 11 T_s = 62 °C. t_s = 20 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8907637 'Stress = 312500 Pa $\varepsilon(0)$ = 0.035082256

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
35	7	0.058054223	0.04979438	-4.813577113	1.419360842	0.350206659	1.945910149	-1.049231845
46	9.2	0.059693544	0.051433701	-4.540283778	1.466088766	0.382598151	2.219203484	-0.960770054
96	19.2	0.062972186	0.054712343	-3.804576983	1.559544614	0.444393865	2.954910279	-0.811044027
146	29.2	0.065021338	0.056761495	-3.385318553	1.617954541	0.481162722	3.374168709	-0.731549766
196	39.2	0.066865574	0.058605731	-3.090810516	1.670523452	0.513137022	3.668676747	-0.667212371
246	49.2	0.06870981	0.060449967	-2.863593639	1.723092363	0.544120562	3.895893623	-0.608584435
296	59.2	0.069939301	0.061679458	-2.67856572	1.758138314	0.564255473	4.080921542	-0.572248164
346	69.2	0.070963877	0.062704034	-2.5224864	1.787343277	0.580730314	4.237000863	-0.543468805
396	79.2	0.072193368	0.063933525	-2.387510963	1.822389227	0.600148402	4.371976299	-0.510578317
446	89.2	0.073217944	0.064958101	-2.268606223	1.851594191	0.616046993	4.49088104	-0.484432032
496	99.2	0.074447434	0.066187591	-2.162349248	1.886640112	0.634797529	4.597138014	-0.454449183
540	108	0.07506218	0.066802337	-2.077356035	1.904163102	0.644042595	4.682131227	-0.439990413

Table 12 T_a = 62 °C., t_a = 40 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 9533199 'Stress = 312500 Pa $\varepsilon(0)$ = 0.032780182

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
35	7	0.057849308	0.046310823	-5.317069022	1.412767303	0.345550407	1.945910149	-1.06261675
96	19.2	0.061332865	0.04979438	-4.308068892	1.519037395	0.418076842	2.954910279	-0.872090032
146	29.2	0.062767271	0.051228786	-3.888810461	1.562795674	0.446476316	3.374168709	-0.806368924
196	39.2	0.063791847	0.052253362	-3.594302424	1.594051596	0.466278949	3.668676747	-0.762971222
246	49.2	0.065226253	0.053687768	-3.367085547	1.637809874	0.493359907	3.895893623	-0.706516337
296	59.2	0.066045913	0.054507428	-3.182057629	1.662814588	0.508511701	4.080921542	-0.676267052
396	79.2	0.067685235	0.05614675	-2.891002872	1.712824075	0.538143514	4.371976299	-0.61963
496	99.2	0.069119641	0.057581156	-2.665841156	1.756582354	0.563370077	4.597138014	-0.573818537
596	119.2	0.070349131	0.058810646	-2.482176416	1.794089423	0.584497608	4.780802755	-0.53700259
696	139.2	0.071578622	0.060040137	-2.327067423	1.831596524	0.605188004	4.935911748	-0.502216119
796	159.2	0.072193368	0.060654883	-2.192817897	1.850350089	0.615374859	5.070161273	-0.485523671
896	179.2	0.073422859	0.061884374	-2.07447667	1.887857189	0.635442424	5.188502501	-0.453433792
996	199.2	0.074242519	0.062704034	-1.968669826	1.912861903	0.648600499	5.294309345	-0.432938316
1080	216	0.07465235	0.063113865	-1.887700763	1.92536429	0.655115191	5.375278408	-0.422944194

Table 13 T_a = 62C, . t_a = 80 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young' s Modulus = 10708233 'Stress = 312500 Pa $\varepsilon(0)$ = 0.029183153

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
18	7.2	0.048002308	0.044256046	-4.955367249	1.516492957	0.416400404	1.974081026	-0.876107972
46	18.4	0.050870756	0.047124494	-4.017097611	1.614784187	0.479201318	2.912350665	-0.735634483
96	38.4	0.053739203	0.049992941	-3.281390816	1.713075383	0.538290225	3.64805746	-0.619357413
146	58.4	0.055583205	0.051836943	-2.862132385	1.776262592	0.57451149	4.06731589	-0.554235182
196	78.4	0.057222318	0.053476056	-2.567624348	1.832429005	0.605642412	4.361823927	-0.501465547
296	118.4	0.060090766	0.056344504	-2.155379553	1.930720234	0.657893112	4.774068722	-0.418712805
396	158.4	0.061729878	0.057983616	-1.864324796	1.986886612	0.686568897	5.065123479	-0.376048699
496	198.4	0.063983659	0.060237397	-1.63916308	2.06411545	0.724701781	5.290285195	-0.321995045
596	238.4	0.065212993	0.061466731	-1.45549834	2.106240234	0.744904478	5.473949935	-0.294499286
696	278.4	0.066647217	0.062900955	-1.300389347	2.155385849	0.767969756	5.629058928	-0.264004927
796	318.4	0.068696108	0.064949846	-1.166139821	2.225593855	0.800023781	5.763308454	-0.223113825
896	358.4	0.069720554	0.065974292	-1.047798594	2.260697876	0.81567356	5.881649681	-0.203741053
996	407.4	0.07054011	0.066793848	-0.919652771	2.288781065	0.82801939	5.987456526	-0.188718707
1080	432	0.071974334	0.068228072	-0.861022687	2.33792668	0.849264502	6.068425588	-0.163384595

Table 14 T_s = 62 °C., t_s = 160 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 11178842 'Stress = 312500 Pa $\varepsilon(0)$ = 0.027954595

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
9	7.854545455	0.048412087	0.043641379	-5.30743654	1.561151989	0.445424003	2.061092403	-0.808728634
46	40.14545455	0.052509869	0.047739161	-3.676019721	1.707739027	0.535170289	3.692509222	-0.625170285
96	83.78181818	0.055173427	0.050402719	-2.940312926	1.803020591	0.589463364	4.428216017	-0.528542708
146	127.4181818	0.057427207	0.052656499	-2.521054495	1.883643458	0.633207911	4.847474447	-0.456956458
196	171.0545455	0.058656542	0.053885834	-2.226546458	1.927619583	0.656285865	5.141982485	-0.421158815
296	258.3272727	0.060910322	0.056139614	-1.814301663	2.00824245	0.697259937	5.55422728	-0.360597001
396	345.6	0.063368991	0.058598283	-1.523246906	2.096194666	0.740123637	5.845282037	-0.30093803
496	432.8727273	0.064803215	0.060032507	-1.29808519	2.14750014	0.76430444	6.070443752	-0.268789088
596	520.1454545	0.066852106	0.062081398	-1.11442045	2.220793658	0.797864636	6.254108493	-0.225816325
696	607.4181818	0.067466773	0.062696065	-0.959311457	2.242781703	0.807716927	6.409217486	-0.213543619
796	694.6909091	0.069720554	0.064949846	-0.825061931	2.323404606	0.843033613	6.543467012	-0.170748449
896	781.9636364	0.071359666	0.066588958	-0.706720704	2.382039392	0.867957008	6.661808239	-0.141613095
996	869.2363636	0.072589001	0.067818293	-0.60091386	2.426015518	0.886250207	6.767615083	-0.120755968
1080	942.5454545	0.073613446	0.068842738	-0.519944797	2.46266226	0.901242984	6.848584146	-0.103980375

Table 15 T_s = 62 °C., t_s = 220 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 11178842 'Stress = 312500 Pa $\varepsilon(0)$ = 0.027954595

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
6	7.2	0.036314044	0.029811707	-7.215277764	1.066433143	0.064319568	1.974081026	-2.743891363
46	55.2	0.041845347	0.03534301	-5.178395837	1.264300542	0.234519038	4.010962953	-1.45021851
96	115.2	0.044918293	0.038415956	-4.442689042	1.37422687	0.317891297	4.746669748	-1.146045788
146	175.2	0.04737665	0.040874313	-4.023430611	1.462167941	0.379920225	5.165928179	-0.967793982
196	235.2	0.048810691	0.042308354	-3.728922574	1.513466877	0.414402964	5.460436216	-0.880916435
296	355.2	0.050654459	0.044152122	-3.316677779	1.579422689	0.457059393	5.872681011	-0.782941933
396	475.2	0.051473911	0.044971574	-3.025623022	1.608736367	0.475449006	6.163735768	-0.743495647
496	595.2	0.053522542	0.047020205	-2.800461306	1.682020598	0.519995808	6.388897484	-0.65393453
596	715.2	0.054956583	0.048454246	-2.616796566	1.733319535	0.550038376	6.572562224	-0.597767228
696	835.2	0.055980899	0.049478562	-2.461687573	1.769961668	0.57095789	6.727671217	-0.56043982
796	955.2	0.056185762	0.049683425	-2.327438047	1.777290088	0.575089782	6.861920743	-0.553229108
896	1075.2	0.058644119	0.052141782	-2.20909682	1.865231158	0.623384991	6.98026197	-0.472590989
990	1188	0.060692749	0.054190412	-2.10933229	1.938515353	0.661922398	7.0800265	-0.412606953

Data of 70/30 PMMA and SAN25 Blend

Table 16 T_s = 60 °C., t_s = 20 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8623201 'Stress = 361010.8 Pa $\varepsilon(0)$ = 0.041865057

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
35	7	0.064635319	0.056036667	-3.755335778	1.384623125	0.325427991	1.945910149	-1.122614069
96	19.2	0.072350512	0.06375186	-2.746335648	1.575259635	0.454420106	2.954910279	-0.788733165
146	29.2	0.07641114	0.067812488	-2.327077218	1.675594643	0.516168113	3.374168709	-0.661322767
196	39.2	0.079456611	0.070857959	-2.03256918	1.750345898	0.560099042	3.668676747	-0.579641651
246	49.2	0.082096019	0.073497367	-1.805352304	1.816063649	0.596671328	3.895893623	-0.516388856
296	59.2	0.084329365	0.075730713	-1.620324385	1.871247918	0.626605544	4.080921542	-0.467438053
346	69.2	0.086765741	0.078167089	-1.464245064	1.931448903	0.658270448	4.237000863	-0.418139417
396	79.2	0.088389993	0.079791341	-1.329269628	1.971582925	0.678836736	4.371976299	-0.387374629
446	89.2	0.090217275	0.081618623	-1.210364887	2.016733664	0.701479205	4.49088104	-0.354564024
496	99.2	0.091841527	0.083242875	-1.104107913	2.056867687	0.721184285	4.597138014	-0.326860578
540	108	0.093059715	0.084461063	-1.0191147	2.086968179	0.735712381	4.682131227	-0.306916023

Table 17 T_a = 60 °C., ta = 40 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8268392 'Stress = 361010.8 Pa $\varepsilon(0)$ = 0.0436622070

conseq.	time(sec.)	%strain	%real strain, ε(t)	$\ln(t/t_0)$	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
35	7	0.063607226	0.0521725	-4.615021502	1.281680269	0.248171928	1.945910149	-1.393633517
96	19.2	0.070306419	0.058871693	-3.606021372	1.44625401	0.368976772	2.954910279	-0.997021585
146	29.2	0.073148501	0.061713775	-3.186762942	1.516073176	0.416123555	3.374168709	-0.876773055
196	39.2	0.075584571	0.064149845	-2.892254904	1.575918168	0.454838066	3.668676747	-0.787813822
296	59.2	0.079847693	0.068412967	-2.480010109	1.680646892	0.519178774	4.080921542	-0.655506996
396	79.2	0.084313822	0.072879096	-2.188955352	1.790362727	0.58241824	4.371976299	-0.540566463
496	99.2	0.08634388	0.074909154	-1.963793637	1.840233546	0.609892491	4.597138014	-0.494472582
596	119.2	0.088576944	0.077142218	-1.780128896	1.895091451	0.639267097	4.780802755	-0.44743292
696	139.2	0.089997985	0.078563259	-1.625019903	1.930001034	0.657520539	4.935911748	-0.419279278
796	159.2	0.092028043	0.080593317	-1.490770378	1.979871853	0.683032122	5.070161273	-0.38121339
896	179.2	0.094667119	0.083232393	-1.372429151	2.044703932	0.715253002	5.188502501	-0.335118949
1080	216	0.097509201	0.086074475	-1.185653243	2.114523098	0.748829301	5.375278408	-0.289244224

Table 18 T_a = 60 °C., t_a = 80 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8868665 'Stress = 361010.8 Pa $\varepsilon(0)$ = 0.04070633

conseq.	time(sec.)	%strain	%real strain, ε(t)	$\ln(t/t_0)$	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
18	7.2	0.044300666	0.039080378	-5.386855933	0.960056534	-0.040763106	1.974081026	-
46	18.4	0.049780443	0.044560155	-4.448586295	1.094673853	0.090456468	2.912350665	-2.402886564
96	38.4	0.055057266	0.049836978	-3.7128795	1.224305362	0.202373632	3.64805746	-1.597639627
146	58.4	0.058101587	0.052881299	-3.293621069	1.299092773	0.261666154	4.06731589	-1.340685811
196	78.4	0.060334089	0.055113801	-2.999113032	1.353936872	0.30301655	4.361823927	-1.193967855
296	118.4	0.064596139	0.059375851	-2.586868237	1.458639261	0.377503988	4.774068722	-0.974174146
396	158.4	0.068046369	0.062826081	-2.29581348	1.543398314	0.433986683	5.065123479	-0.83474143
496	198.4	0.071496599	0.066276311	-2.070651764	1.628157368	0.487448926	5.290285195	-0.718569761
596	238.4	0.074743875	0.069523587	-1.886987024	1.707930612	0.535282469	5.473949935	-0.624960692
696	278.4	0.077179332	0.071959044	-1.731878031	1.767760545	0.569713517	5.629058928	-0.562621647
796	318.4	0.079411834	0.074191546	-1.597628505	1.822604644	0.600266601	5.763308454	-0.510381387
896	358.4	0.080832517	0.075612229	-1.479287278	1.857505432	0.619234422	5.881649681	-0.479271367
996	398.4	0.082862064	0.077641776	-1.373480434	1.907363697	0.645722026	5.987456526	-0.437386169

Table 19 T_s = 60 °C., ta = 160 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 8920292 'Stress = 361010.8 Pa ε(0) = 0.0470738

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
9	7.2	0.044493096	0.037297834	-5.506544666	1.020437848	0.020231798	1.974081026	-3.900499775
46	36.8	0.055016122	0.04782086	-3.875127847	1.231035292	0.207855516	3.605497845	-1.570912074
96	76.8	0.05829228	0.053097018	-3.139421052	1.361405115	0.308517339	4.34120464	-1.175977232
146	116.8	0.061945006	0.056749744	-2.720162622	1.451661177	0.37270854	4.76046307	-0.986958559
196	156.8	0.064380156	0.059184894	-2.425654584	1.511831868	0.413322073	5.054971108	-0.883528151
296	236.8	0.069859244	0.064663982	-2.013409789	1.647215936	0.499086552	5.467215903	-0.694975748
396	316.8	0.074323686	0.069128424	-1.722355032	1.757528879	0.563908776	5.75827066	-0.572862785
496	396.8	0.077976411	0.072781149	-1.497193317	1.847784916	0.613987579	5.983432375	-0.487780581
596	476.8	0.081426207	0.076230945	-1.313528576	1.933026733	0.65908703	6.167097116	-0.41689969
696	556.8	0.083861357	0.078666095	-1.158419583	1.993197424	0.689740095	6.322206109	-0.371440426
796	636.8	0.086702366	0.083507104	-1.024170058	2.063396581	0.724353451	6.456455635	-0.322475814
896	716.8	0.089543375	0.086348113	-0.90582883	2.133595737	0.757808696	6.574796862	-0.277324305
996	796.8	0.091978525	0.088783263	-0.800021986	2.193766429	0.785619897	6.680603706	-0.241282195

Table 20 T_s = 60 °C., t_s = 220 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 9585703 'Stress = 361010.8 Pa ε(0) = 0.03766138

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
6	7.2	0.049149358	0.036276549	-5.313103347	1.255305812	0.227379218	1.974081026	-1.481136093
46	55.2	0.058077118	0.049204309	-3.276221419	1.49235926	0.400358264	4.010962953	-0.915395473
96	115.2	0.063555517	0.054682708	-2.540514624	1.637823898	0.493368469	4.746669748	-0.706498982
146	175.2	0.069033915	0.059161106	-2.121256194	1.783288509	0.578459137	5.165928179	-0.547387371
196	235.2	0.071462759	0.06259595	-1.826748157	1.847939459	0.614071213	5.460436216	-0.487644376
296	355.2	0.076338446	0.069465637	-1.414503361	1.977241333	0.681702607	5.872681011	-0.383161776
396	475.2	0.079787808	0.074914999	-1.123448604	2.06883017	0.726983312	6.163735768	-0.318851756
496	595.2	0.082628459	0.07875565	-0.898286889	2.14425627	0.762792765	6.388897484	-0.27076889
596	715.2	0.086280725	0.084407916	-0.714622149	2.241232695	0.807026025	6.572562224	-0.214399362
696	835.2	0.089527183	0.087654374	-0.559513155	2.327433944	0.844766349	6.727671217	-0.1686952
796	955.2	0.09155622	0.089683411	-0.42526363	2.381309745	0.867650649	6.861920743	-0.141966123
896	1075.2	0.094599774	0.092726965	-0.306922403	2.462123406	0.901024151	6.98026197	-0.104223217

Data of 50/50 PMMA and SAN25 Blends

Table 21 T_s = 61 °C., t_s = 20 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 9295321 'Stress = 476190.5 Pa ε(0) = 0.0512954

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
35	7	0.067582264	0.062324472	-6.268297805	1.21658448	0.196047326	1.945910149	-1.629399192
46	9.2	0.069374341	0.064116549	-5.99500447	1.251566133	0.224395673	2.219203484	-1.494344387
96	19.2	0.072759377	0.067501585	-5.259297675	1.317642621	0.275844247	2.954910279	-1.287918895
146	29.2	0.074949693	0.069691901	-4.840039245	1.360397969	0.307777281	3.374168709	-1.178378871
196	39.2	0.076542651	0.071284859	-4.545531207	1.391492785	0.330377117	3.668676747	-1.107520499
246	49.2	0.078135609	0.072877817	-4.31831433	1.4225876	0.352477467	3.895893623	-1.042768582
296	59.2	0.079131208	0.073873416	-4.133286412	1.442021865	0.366046202	4.080921542	-1.004995719
346	69.2	0.080724165	0.075466373	-3.977207091	1.473116661	0.387380334	4.237000863	-0.948348293
396	79.2	0.081520644	0.076262852	-3.842231655	1.488664069	0.39787912	4.371976299	-0.921607038
446	89.2	0.082317123	0.077059331	-3.723326914	1.504211477	0.408268826	4.49088104	-0.895829435
496	99.2	0.083511841	0.078254049	-3.61706994	1.527532579	0.42365374	4.597138014	-0.858838807
540	108	0.0841092	0.078851408	-3.532076727	1.539193131	0.431258338	4.682131227	-0.841047977

Table 22 T_s = 61 °C., t_s = 40 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 9715463 'Stress = 476190.5 Pa $\varepsilon(0)$ = 0.047744928

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
36	7.2	0.067197154	0.060531314	-5.412439388	1.267806175	0.237287986	1.974081026	-1.438480746
96	19.2	0.072574051	0.064908211	-4.431610135	1.376821367	0.319777485	2.954910279	-1.140129884
196	39.2	0.076556937	0.067891097	-3.717843667	1.457573348	0.376772962	3.668676747	-0.976112495
296	59.2	0.078946669	0.071280829	-3.305598872	1.506024544	0.409473427	4.080921542	-0.89288327
396	79.2	0.081734689	0.073068849	-3.014544115	1.562550926	0.446319695	4.371976299	-0.806719779
496	99.2	0.083128699	0.075462859	-2.7893824	1.590814117	0.464245909	4.597138014	-0.767340892
596	119.2	0.084721854	0.078056014	-2.605717659	1.623114922	0.484347094	4.780802755	-0.724953493
696	139.2	0.086514152	0.079848312	-2.450608666	1.659453299	0.50648821	4.935911748	-0.680254233
796	159.2	0.088903884	0.082238044	-2.31635914	1.707904495	0.535267177	5.070161273	-0.62498926
896	179.2	0.090497039	0.084831199	-2.198017913	1.740205299	0.554003094	5.188502501	-0.590585007

Table 23 T_s = 60 °C. t_s = 80 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 10452321 'Stress = 476190.5 Pa $\varepsilon(0)$ = 0.045555835

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
18	7.2	0.071392834	0.058534883	-5.886781657	1.394582626	0.332595178	1.974081026	-1.10082921
46	18.4	0.076372057	0.062514106	-4.948512018	1.503875939	0.408045735	2.912350665	-0.896376015
96	38.4	0.080156266	0.065498315	-4.212805223	1.586938847	0.461806907	3.64805746	-0.772608426
146	58.4	0.083342969	0.068485018	-3.793546793	1.656886573	0.504940283	4.06731589	-0.683315109
196	78.4	0.083940476	0.071082525	-3.499038755	1.670001776	0.51282469	4.361823927	-0.667821228
296	118.4	0.087525516	0.075667565	-3.08679396	1.748692949	0.558868622	4.774068722	-0.581840856
396	158.4	0.090313881	0.08045593	-2.795739203	1.809897207	0.593270052	5.065123479	-0.522105584
496	198.4	0.093102246	0.083244295	-2.570577488	1.871101464	0.626527276	5.290285195	-0.467562969
596	238.4	0.094894766	0.087036815	-2.386912748	1.910447051	0.647337273	5.473949935	-0.434887833
696	278.4	0.096886455	0.091028504	-2.231803754	1.954164372	0.669962671	5.629058928	-0.400533284
796	318.4	0.098479806	0.094621855	-2.097554229	1.989138224	0.687701492	5.763308454	-0.374400414
896	358.4	0.10007316	0.096215209	-1.979213002	2.024112142	0.705131156	5.881649681	-0.349371457
996	398.4	0.10206485	0.099206899	-1.873406157	2.067829485	0.726499499	5.987456526	-0.319517486
1080	432	0.10325986	0.099401909	-1.792437095	2.094059802	0.739104671	6.068425588	-0.302315729

Table 24 T_a = 61 °C., t_a = 160 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 10824569 'Stress = 476190.5 Pa $\varepsilon(0)$ = 0.043991636

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
9	7.2	0.066811949	0.054734052	-6.040606832	1.448777776	0.370720288	1.974081026	-0.992307442
46	36.8	0.073782861	0.060704964	-4.409190013	1.607237845	0.474517082	3.605497845	-0.745457662
96	76.8	0.077766239	0.065688342	-3.673483218	1.69778645	0.529325314	4.34120464	-0.636152075
146	116.8	0.079757929	0.070680032	-3.254224787	1.743060775	0.555642634	4.76046307	-0.587629936
196	156.8	0.082147956	0.074070059	-2.95971675	1.797389943	0.586335581	5.054971108	-0.53386299
296	236.8	0.085732996	0.079655099	-2.547471955	1.878883682	0.630677814	5.467215903	-0.460960142
396	316.8	0.089318036	0.084240139	-2.256417198	1.960377422	0.673137017	5.75827066	-0.395806379
496	396.8	0.092703908	0.087626011	-2.031255482	2.037343752	0.711646877	5.983432375	-0.34017345
596	476.8	0.095093935	0.091016038	-1.847590742	2.091672919	0.737964186	6.167097116	-0.303859984
696	556.8	0.097683131	0.094605234	-1.692481749	2.150529519	0.7657141	6.322206109	-0.266946417
796	636.8	0.10027233	0.097194433	-1.558232223	2.209386187	0.792714734	6.456455635	-0.232291853
896	716.8	0.10226402	0.099186123	-1.439890996	2.254660512	0.812999413	6.574796862	-0.207024892
996	796.8	0.10584906	0.102771163	-1.334084152	2.336154252	0.848506095	6.680603706	-0.164278011
1080	864	0.10604823	0.102970333	-1.253115089	2.340681707	0.850442215	6.761572769	-0.161998812

Table 25 T_a = 61 °C., t_a = 280 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 11135475 'Stress = 476190.5 Pa $\varepsilon(0)$ = 0.042763376

conseq.	time(sec.)	%strain	%real strain, $\varepsilon(t)$	$\ln(t/t_0)$	$\varepsilon(t)/\varepsilon(0)$	$\ln(\varepsilon(t)/\varepsilon(0))$	ln(time)	$\ln(\ln(\varepsilon(t)/\varepsilon(0))$
5	7.0	0.070197821	0.050543195	-6.731172503	1.4391566	0.364057247	1.946465859	-1.010444151
46	64.4	0.078961253	0.060306627	-4.511969019	1.644085041	0.497184024	4.165669343	-0.698795053
96	134.5	0.082944631	0.065290005	-3.776262224	1.737234329	0.552294382	4.901376138	-0.593674073
146	204.5	0.085533827	0.069879201	-3.357003794	1.797781373	0.586553334	5.320634568	-0.533491679
196	274.6	0.087724685	0.073070059	-3.062495756	1.849013483	0.614652244	5.615142606	-0.486698627
296	414.6	0.091309726	0.0796551	-2.650250961	1.93284786	0.658994491	6.027387401	-0.417040105
396	554.7	0.093301415	0.083646789	-2.359196204	1.979422504	0.682805138	6.318442158	-0.381545764
496	694.8	0.095492273	0.086837647	-2.134034489	2.030654614	0.708358211	6.543603873	-0.344805365
596	834.9	0.097483962	0.088829336	-1.950369749	2.077229258	0.731034918	6.727268614	-0.313294053
696	974.9	0.099077313	0.092422687	-1.795260755	2.114488968	0.748813161	6.882377607	-0.289265778

Table 26 T_s = 61 °C., t_s = 20 min., heating rate = 40 °C./min., cooling rate = 20 °C /min.
Young's Modulus = 8507228 'Stress = 403225.8 Pa ε(0) = 0.04398024

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
35	7	0.079842609	0.0782087	-3.870933118	1.650041365	0.500800357	1.945910149	-0.691547746
46	9.2	0.082384392	0.080750483	-3.597639783	1.703667714	0.532783406	2.219203484	-0.629640305
71	14.2	0.08551274	0.083878831	-3.163601302	1.769669368	0.570792732	2.653241965	-0.560729127
96	19.2	0.088054523	0.086420614	-2.861932988	1.823295718	0.600645698	2.954910279	-0.50975004
121	24.2	0.090596306	0.088962397	-2.630490634	1.876922067	0.629633237	3.186352633	-0.462617793
146	29.2	0.092551523	0.090917614	-2.442674558	1.918173091	0.651373218	3.456321334	-0.428672502
171	34.2	0.094311219	0.09267731	-2.284617623	1.955299027	0.670543137	3.532225644	-0.399667243
196	39.2	0.096266436	0.094632527	-2.14816652	1.99655005	0.691420716	3.668676747	-0.369006789
221	44.2	0.097048523	0.095414614	-2.028118478	2.013050464	0.699651215	3.788724789	-0.357173332
246	49.2	0.098026132	0.096392223	-1.920949643	2.033675986	0.709844986	3.895893623	-0.342708662
271	54.2	0.099003741	0.097369832	-1.824162358	2.054301508	0.719935892	3.992680908	-0.32859311
296	59.2	0.10017687	0.098542961	-1.735921725	2.079052097	0.731912067	4.080921542	-0.312094899
321	64.2	0.10135	0.099716091	-1.654840056	2.103802707	0.74374652	4.162003211	-0.296055001
346	69.2	0.10232761	0.100693701	-1.579842404	2.12442825	0.753502708	4.237000863	-0.283022668
371	74.2	0.10350074	0.101866831	-1.510079117	2.14917886	0.765085844	4.30676415	-0.267767237
396	79.2	0.10428283	0.102648921	-1.444866968	2.165679337	0.772734094	4.371976299	-0.257820282
421	84.2	0.10486939	0.103235481	-1.383648346	2.178054537	0.778432064	4.433194921	-0.250473557
446	89.2	0.10565148	0.104017571	-1.325962227	2.194555014	0.785979299	4.49088104	-0.240824824
471	94.2	0.10662909	0.104995181	-1.271423085	2.215180557	0.795333916	4.545420182	-0.228993233
496	99.2	0.10721565	0.105581741	-1.219705253	2.227555756	0.800904911	4.597138014	-0.222013052
521	104.2	0.10780222	0.106168311	-1.170531138	2.239931167	0.806445136	4.646312129	-0.215119411
540	108	0.10858431	0.106950401	-1.13471204	2.256431644	0.813784647	4.682131227	-0.20605951

Table 27 T_s = 61 °C, . t_s = 40 min., heating rate = 40 °C./min., cooling rate = 5 °C./min.
Young's Modulus = 8788728 'Stress = 403225.8 Pa ε(0) = 0.045879882

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
35	7	0.075373377	0.076360599	-4.997907013	1.577174285	0.455634819	1.945910149	-0.786063626
96	19.2	0.080849314	0.081836536	-3.988906883	1.696528011	0.528583816	2.954910279	-0.637553894
196	39.2	0.084369559	0.085356781	-3.275140415	1.773255402	0.572817067	3.668676747	-0.557188868
296	59.2	0.087303097	0.088290319	-2.86289562	1.837194905	0.6082399	4.080921542	-0.497185903
396	79.2	0.089258789	0.090246011	-2.571840863	1.87982124	0.631176687	4.371976299	-0.460169444
496	99.2	0.090823342	0.091810564	-2.346679148	1.913922295	0.649154694	4.597138014	-0.432084233
546	109.2	0.09141005	0.092397272	-2.250636099	1.926710204	0.655813991	4.693181063	-0.42187808
646	129.2	0.092779034	0.093766256	-2.082455571	1.95654863	0.671182018	4.861361591	-0.398714915
746	149.2	0.094148019	0.094135241	-1.938529474	1.986387078	0.68631745	5.005287688	-0.376415003
846	169.2	0.095517003	0.095504225	-1.812735715	2.016225504	0.701227201	5.131081447	-0.354923334
946	189.2	0.096494849	0.096982071	-1.701012506	2.037538672	0.711742546	5.242804657	-0.340039026

Table 28 T_a = 60 °C., t_a = 80 min., heating rate = 40 °C./min., cooling rate = 10 °C./min.
Young's Modulus = 9206528 'Stress = 403225.8 Pa $\varepsilon(0)$ = 0.04379715

conseq.	time(sec.)	%strain	%real strain, ε(t)	$\ln(t/t_0)$	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
18	7.2	0.073040151	0.071978191	-5.11411905	1.643419715	0.496779263	1.974081026	-0.699609491
96	38.4	0.080472682	0.079410722	-3.440142616	1.813120673	0.595049489	3.64805746	-0.519110701
196	78.4	0.084775726	0.083713766	-2.726376148	1.91136859	0.647819525	4.361823927	-0.434143132
296	118.4	0.087709619	0.086647659	-2.314131353	1.978355792	0.682266092	4.774068722	-0.382335534
396	158.4	0.090252327	0.089190367	-2.023076596	2.036411383	0.711189133	5.065123479	-0.340816875
496	198.4	0.092599442	0.091537482	-1.797914881	2.090001159	0.73716462	5.290285195	-0.304944046
646	258.4	0.095924521	0.094862561	-1.533691304	2.165919993	0.77284521	5.554508772	-0.257676496
746	298.4	0.097098079	0.096036119	-1.389765207	2.192714892	0.785140453	5.698434868	-0.241892656
846	338.4	0.098662822	0.097600862	-1.263971448	2.228441401	0.801302418	5.824228628	-0.221516853
946	378.4	0.10003197	0.09897001	-1.152248239	2.259702048	0.815232967	5.935951837	-0.204281357
1046	418.4	0.10159672	0.10053476	-1.051762163	2.295428717	0.830919631	6.036437913	-0.185222203
1080	432	0.10218349	0.10112153	-1.019774488	2.308825961	0.836739153	6.068425588	-0.178242902

Table 29 T_a = 61 °C., t_a = 160 min., heating rate = 40 °C./min., cooling rate = 20 °C./min.
Young's Modulus = 9826736 'Stress = 403225.8 Pa $\varepsilon(0)$ = 0.041033544

conseq.	time(sec.)	%strain	%real strain, ε(t)	$\ln(t/t_0)$	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
9	7.2	0.067954735	0.06530043	-5.520299132	1.591393123	0.46460981	1.974081026	-0.766557343
96	76.8	0.077929974	0.075275669	-3.153175518	1.834493004	0.606768152	4.34120464	-0.499608519
196	156.8	0.082624204	0.079969899	-2.43940905	1.948892946	0.667261491	5.054971108	-0.404573269
296	236.8	0.085558097	0.082903792	-2.027164255	2.020392891	0.703291993	5.467215903	-0.351983121
396	316.8	0.088687584	0.086033279	-1.736109498	2.096659527	0.740345377	5.75827066	-0.300638476
496	396.8	0.091230292	0.088575987	-1.510947783	2.158626164	0.769471984	5.983432375	-0.262050734
646	516.8	0.094555371	0.091901066	-1.246724206	2.239659442	0.806323819	6.247655952	-0.215269856
796	636.8	0.097098079	0.094443774	-1.037924524	2.301626079	0.833615864	6.456455635	-0.181982578
896	716.8	0.098662822	0.096008517	-0.919583297	2.339759384	0.850048097	6.574796862	-0.162462347
996	796.8	0.10022757	0.097573265	-0.813776452	2.377892812	0.866214722	6.680603706	-0.143622454
1080	864	0.10218349	0.099529185	-0.732807389	2.425559231	0.886062108	6.761572769	-0.120968231

Table 30 T_a = 61 °C., t_a = 320 min., heating rate = 40 °C./min., cooling rate = 20 °C./min.
Young's Modulus = 8245078 'Stress = 403225.8 Pa $\varepsilon(0)$ = 0.048904035

conseq.	time(sec.)	%strain	%real strain, ε(t)	$\ln(t/t_0)$	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
4	6.9	0.074213708	0.06060904	-6.603943401	1.443801944	0.367279873	1.934259532	-1.001631125
96	166.1	0.088100805	0.074496137	-3.425889571	1.727763	0.546827508	5.112313362	-0.603621868
196	339.0	0.092795035	0.079190367	-2.712123103	1.823749836	0.600894731	5.82607983	-0.509335516
296	512.0	0.096902486	0.083297818	-2.299878308	1.907738313	0.645918411	6.238324625	-0.437082082
396	685.0	0.10081434	0.087209672	-2.008823551	1.987727255	0.686991903	6.529379382	-0.375432773
496	857.9	0.10374824	0.090143572	-1.783661836	2.047719156	0.716726567	6.754541097	-0.333060869
596	1030.9	0.1076601	0.094055432	-1.599997095	2.12770822	0.755045447	6.938205838	-0.280977336
696	1203.9	0.10961603	0.096011362	-1.444888102	2.167702752	0.773667967	7.093314831	-0.25661248
796	1376.9	0.11196314	0.098358472	-1.310638576	2.215696068	0.795566606	7.227564357	-0.228700706
896	1549.8	0.11528622	0.099001452	-1.192297349	2.283686753	0.825791134	7.345905584	-0.191413402

Table 31 T_a = 61 °C., t_a = 20 min., heating rate = 40 °C./min., cooling rat = 5 °C./min.
Young's Modulus = 9387468 Stress = 286123 Pa ε(0) = 0.03479252

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
36	7.2	0.046068855	0.042558448	-4.538659351	1.396308814	0.333832193	1.974081026	-1.097116828
46	9.2	0.04686064	0.043350233	-4.293536893	1.422286649	0.352265893	2.219203484	-1.043369011
96	19.2	0.048642156	0.045131749	-3.557830098	1.480736771	0.392539782	2.954910279	-0.93511739
146	29.2	0.049829834	0.046319427	-3.138571667	1.519703541	0.418515277	3.374168709	-0.871041885
196	39.2	0.050819565	0.047309158	-2.84406363	1.552175828	0.439657706	3.668676747	-0.821758795
296	59.2	0.052205189	0.048694782	-2.431818835	1.597637048	0.468525693	4.080921542	-0.758164338
396	79.2	0.053392867	0.04988246	-2.140764078	1.636603818	0.492623252	4.371976299	-0.708010592
496	99.2	0.053986705	0.050476298	-1.915602362	1.65608717	0.504457694	4.597138014	-0.684271301
540	108	0.054382598	0.050872191	-1.83060915	1.669076105	0.512270243	4.682131227	-0.668902976

Table 32 T_a = 61 °C., t_a = 40 min., heating rate = 40 °C./min., cooling rate = 5 °C./min.
Young's Modulus = 9981146 'Stress = 286123 Pa ε(0) = 0.028666348

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
35	7	0.047256532	0.040578985	-4.77177362	1.415564091	0.347528102	1.945910149	-1.056909747
46	9.2	0.048246264	0.041568717	-4.498480285	1.450090067	0.37162567	2.219203484	-0.989868195
96	19.2	0.050225726	0.043548179	-3.76277349	1.519141951	0.418145669	2.954910279	-0.871925416
146	29.2	0.051017511	0.044339964	-3.343515059	1.546762711	0.436164173	3.374168709	-0.829736562
196	39.2	0.05161135	0.044933803	-3.049007022	1.56747829	0.449468143	3.668676747	-0.799690299
296	59.2	0.05319492	0.046517373	-2.636762227	1.62271981	0.484103637	4.080921542	-0.72545627
396	79.2	0.054382598	0.047705051	-2.34570747	1.664150968	0.509315064	4.371976299	-0.674688467
496	99.2	0.055372329	0.048694782	-2.120545754	1.69867691	0.52984966	4.597138014	-0.635161974
596	119.2	0.056362061	0.049684514	-1.936881014	1.733202886	0.549971076	4.780802755	-0.597889591
696	139.2	0.056955899	0.050278352	-1.781772021	1.75391843	0.561852388	4.935911748	-0.576516119
796	159.2	0.057549738	0.0503	-1.647522495	1.774634009	0.57359421	5.070161273	-0.555833084
896	179.2	0.05834'523	0.051663976	-1.529181268	1.80225477	0.589038531	5.188502501	-0.52926368
996	199.2	0.058935362	0.052257815	-1.423374424	1.822970348	0.60046723	5.294309345	-0.51004721
1080	216	0.059529201	0.052851654	-1.342405361	1.843685927	0.611766789	5.375278408	-0.491404132

Table 33 T_a = 61 °C, . t_a = 80 min., heating rate = 40 °C./min., cooling rate = 5 °C./min.
Young's Modulus = 10111486 'Stress = 286123 Pa ε(0) = 0.028296383

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
18	7.2	0.039724895	0.038792706	-5.573536684	1.370920569	0.315482462	1.974081026	-1.153652186
46	18.4	0.041704114	0.040771925	-4.635267045	1.440865471	0.365243954	2.912350665	-1.00718978
96	38.4	0.04328749	0.042355301	-3.89956025	1.496821421	0.403343807	3.64805746	-0.907965962
146	58.4	0.043881256	0.042949067	-3.48030182	1.517804902	0.417265148	4.06731589	-0.874033414
196	78.4	0.044475022	0.043542833	-3.185793782	1.538788383	0.430995342	4.361823927	-0.841657995
296	118.4	0.045464632	0.044532443	-2.773548987	1.573760852	0.453468202	4.774068722	-0.790830129
396	158.4	0.046454242	0.045522053	-2.48249423	1.60873332	0.475447112	5.065123479	-0.74349963
496	198.4	0.047245929	0.04631374	-2.257332515	1.63671126	0.492688899	5.290285195	-0.70787734
596	238.4	0.048037617	0.047105428	-2.073667775	1.664689235	0.50963846	5.473949935	-0.674053706
696	278.4	0.048631383	0.047699194	-1.918558781	1.685672716	0.522164722	5.629058928	-0.649772181
796	318.4	0.049225149	0.04829296	-1.784309256	1.706656197	0.534536016	5.763308454	-0.626356168
896	358.4	0.049620993	0.048688804	-1.665968029	1.720645185	0.542699328	5.881649681	-0.611199836
996	398.4	0.050412681	0.049480492	-1.560161184	1.74862316	0.558828712	5.987456526	-0.581912271
1080	432	0.050808525	0.049876336	-1.479192122	1.762612147	0.566796883	6.068425588	-0.56775427

Table 34 T_s = 61 °C., t_s = 160 min., heating rate = 40 °C./min., cooling rate = 5 °C./min.
Young's Modulus = 11011766 'Stress = 286123 Pa ε(0) = 0.025983389

conseq	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
9	7.2	0.040120739	0.035396862	-4.91369601	1.477745884	0.390517875	1.974081026	-0.940281535
46	36.8	0.043485412	0.038761535	-3.282279191	1.60723906	0.474517838	3.605497845	-0.745456069
96	76.8	0.045068788	0.040344911	-2.546572396	1.668177044	0.51173144	4.34120464	-0.669955323
146	116.8	0.04625632	0.041532443	-2.127313966	1.713880531	0.538760116	4.76046307	-0.618484861
196	156.8	0.047245929	0.042522052	-1.832805928	1.751966733	0.560739004	5.054971108	-0.578499715
296	236.8	0.048631383	0.043907506	-1.420561133	1.805287468	0.590719841	5.467215903	-0.526413416
396	316.8	0.050214759	0.045490882	-1.129506376	1.866225452	0.623917916	5.75827066	-0.471736464
496	396.8	0.051798135	0.047074258	-0.904344661	1.927163435	0.656049199	5.983432375	-0.421519494
596	476.8	0.052787745	0.048638684	-0.720679921	1.965249675	0.675619298	6.167097116	-0.39212553
696	556.8	0.053975276	0.049251399	-0.565570927	2.010953124	0.698608801	6.322206109	-0.358664349
796	636.8	0.054766964	0.050043087	-0.431321402	2.041422116	0.713646681	6.456455635	-0.337367284
896	716.8	0.055558652	0.050834775	-0.312980175	2.071891107	0.728461769	6.574796862	-0.316820134
996	796.8	0.05635034	0.051626463	-0.20717333	2.102360099	0.74306057	6.680603706	-0.296977716
1080	864	0.056548262	0.051824385	-0.126204267	2.109977347	0.746677211	6.761572769	-0.2921223

Table 35 T_s = 60 °C., t_s = 320 min., heating rate = 40 °C./min., cooling rate = 5 °C./min.
Young's Modulus = 10482158 'Stress = 286123 Pa ε(0) = 0.027296192

conseq.	time(sec.)	%strain	%real strain, ε(t)	ln(t/t_0)	ε(t)/ε(0)	ln(ε(t)/ε(0))	ln(time)	ln(ln(ε(t)/ε(0))
8	7.2	0.037142548	0.032903459	-6.316394735	1.278702319	0.24584575	1.974081026	-1.403050971
46	41.4	0.040704706	0.036465617	-4.567194881	1.409203418	0.343024593	3.723280881	-1.069953135
96	86.4	0.042485785	0.037746696	-3.831488086	1.474453968	0.38828773	4.458987676	-0.946008643
146	131.4	0.04288158	0.039142491	-3.412229655	1.488954078	0.398073912	4.878246106	-0.921117582
196	176.4	0.043475273	0.039836184	-3.117721618	1.510704261	0.41257594	5.172754144	-0.885334993
296	266.4	0.043871069	0.04233198	-2.705476823	1.545204407	0.422128439	5.584998939	-0.862445654
396	356.4	0.043673171	0.043834082	-2.414422066	1.567954334	0.417363595	5.876053696	-0.873797505
496	446.4	0.043277376	0.045038287	-2.18926035	1.581045422	0.407765277	6.101215411	-0.897063572
596	536.4	0.043079478	0.046440389	-2.00559561	1.606204151	0.402931335	6.284880151	-0.908989117
696	626.4	0.04288158	0.047042491	-1.850486617	1.648954078	0.398073912	6.439989145	-0.921117582
796	716.4	0.043475273	0.048036184	-1.716237091	1.662070426	0.41257594	6.57423867	-0.885334993
896	806.4	0.044464762	0.048825673	-1.597895864	1.68695459	0.436288218	6.692579897	-0.829452204
960	864	0.04466266	0.049023571	-1.528902993	1.754204664	0.440963944	6.761572769	-0.818792165

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