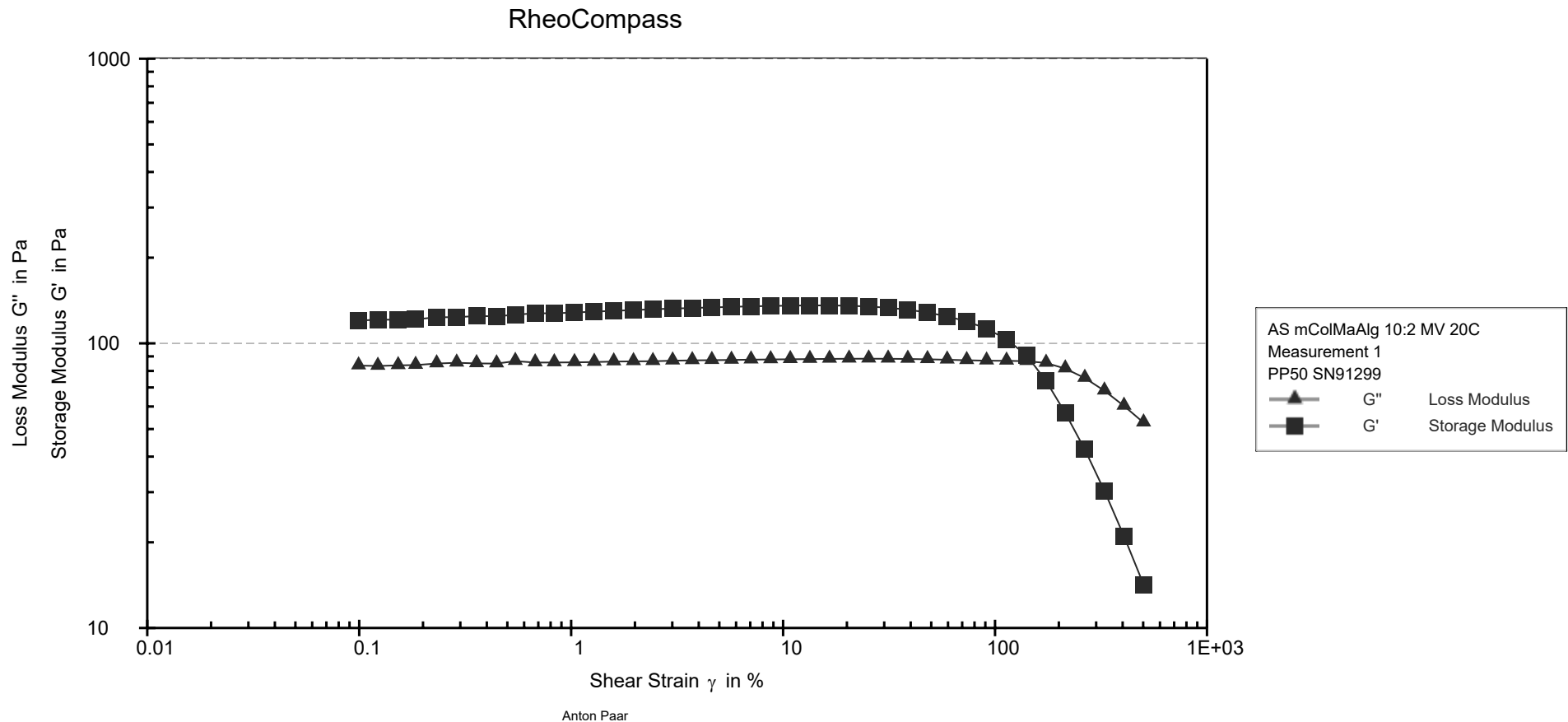


Amplitude Sweep of the mColMaAlg 10:2 MV 20C



Method description:

To measure storage modulus (G') and loss modulus (G'') by varying shear strain from solid to liquid regime. Vary Shear strain (oscillating): 0.01 to 500 % (Ramp Logarithmic). Keep 'frequency' constant at 1 Hz.

Amplitude Sweep of the mColMaAlg 10:2 MV 20C

AS mColMaAlg 10:2 MV 20C, Measurement 1, Interval 1

Point No. №	Shear Strain γ [%]	Shear Stress τ [Pa]	Storage Modulus G' [Pa]	Loss Modulus G'' [Pa]	Loss Factor $\tan(\delta)$ [1]	Torque M [mN·m]	Status Stat
1	0.0993	0.14537	120.18	83.533	0.695	0.0053372	
2	0.122	0.1801	121.19	83.279	0.687	0.0066124	
3	0.153	0.22465	121	83.688	0.692	0.0082482	
4	0.185	0.27236	121.39	83.891	0.691	0.0099998	
5	0.232	0.34767	123.52	84.926	0.688	0.012765	
6	0.288	0.4333	123.6	85.445	0.691	0.015909	
7	0.358	0.54025	124.72	85.015	0.682	0.019836	
8	0.445	0.6702	124.5	84.903	0.682	0.024607	
9	0.545	0.83346	126.04	86.615	0.687	0.030601	
10	0.676	1.0391	127.58	85.625	0.671	0.038153	
11	0.833	1.2786	127.46	85.657	0.672	0.046944	
12	1.04	1.6008	128.37	85.762	0.668	0.058776	
13	1.29	1.9948	129.21	85.97	0.665	0.073239	
14	1.59	2.4805	130.13	86.302	0.663	0.091073	
15	1.97	3.0872	130.88	86.443	0.660	0.11335	
16	2.43	3.8328	131.8	86.529	0.657	0.14072	
17	3.01	4.771	132.44	86.904	0.656	0.17517	
18	3.73	5.9304	133.11	87.143	0.655	0.21774	
19	4.61	7.3658	133.74	87.283	0.653	0.27044	
20	5.71	9.1475	134.33	87.444	0.651	0.33585	
21	7.06	11.36	134.93	87.64	0.650	0.41707	



Method description:

To measure storage modulus (G') and loss modulus (G'') by varying shear strain from solid to liquid regime. Vary Shear strain (oscillating): 0.01 to 500 % (Ramp Logarithmic). Keep 'frequency' constant at 1 Hz.

Amplitude Sweep of the mColMaAlg 10:2 MV 20C

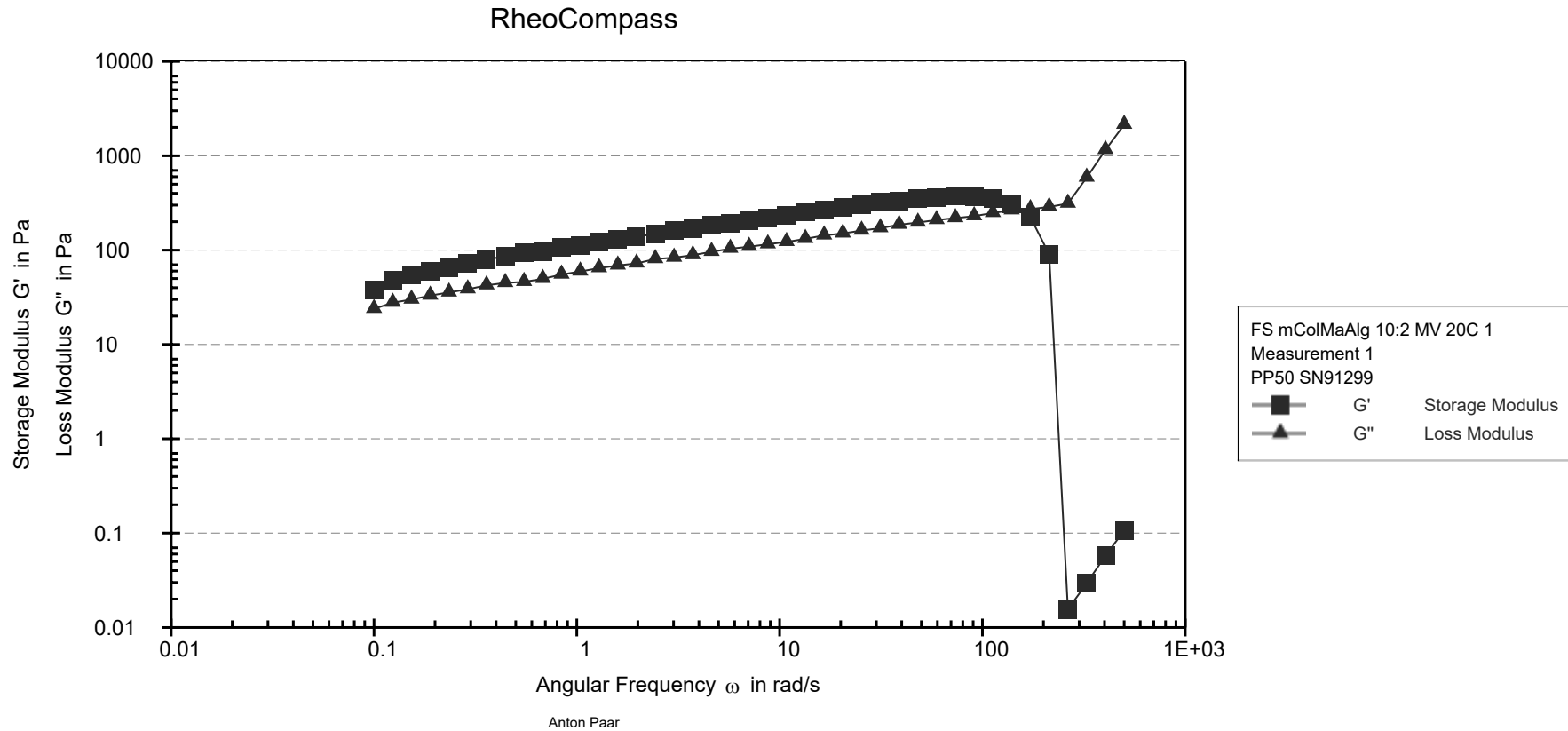
22	8.74	14.094	135.33	87.794	0.649	0.51746
23	10.8	17.479	135.68	87.924	0.648	0.64176
24	13.4	21.661	135.9	88.048	0.648	0.79528
25	16.6	26.814	135.88	88.177	0.649	0.98447
26	20.5	33.135	135.55	88.27	0.651	1.2166
27	25.3	40.838	134.73	88.314	0.655	1.4994
28	31.3	50.07	133.37	88.26	0.662	1.8383
29	38.8	61.308	131.32	88.133	0.671	2.2509
30	48	74.662	128.32	87.895	0.685	2.7412
31	59.5	90.47	124.43	87.577	0.704	3.3216
32	73.5	108.71	119.44	87.206	0.730	3.9914
33	91.2	129.83	112.67	86.922	0.771	4.7666
34	113	152.99	103.34	86.823	0.840	5.6171
35	141	176.96	90.642	86.568	0.955	6.4971
36	174	196.4	73.736	85.332	1.157	7.211
37	214	213.29	56.927	81.535	1.432	7.831
38	265	229.73	42.378	75.544	1.783	8.4346
39	328	244.83	30.329	68.166	2.248	8.989
40	406	259.18	21.008	60.278	2.869	9.5159
41	502	273.85	14.212	52.649	3.705	10.055



Method description:

To measure storage modulus (G') and loss modulus (G'') by varying shear strain from solid to liquid regime. Vary Shear strain (oscillating): 0.01 to 500 % (Ramp Logarithmic). Keep 'frequency' constant at 1 Hz.

Frequency sweep of the mColMaAlg 10:2 MV 20C



Method description:

To measure G' and G'' by varying angular frequency in linear viscoelastic region. Vary Angular Frequency: 0.1 to 500 rad/s (Ramp Logarithmic). Keep Shear Strain constant at 0.1%

Frequency sweep of the mColMaAlg 10:2 MV 20C

FS mColMaAlg 10:2 MV 20C 1, Measurement 1, Interval 1

Point No. №	Angular Frequency ω [rad/s]	Complex Viscosity $ \eta^* $ [Pa·s]	Storage Modulus G' [Pa]	Loss Modulus G'' [Pa]	Loss Factor $\tan(\delta)$ [1]	Shear Strain γ [%]	Shear Stress τ [Pa]	Torque M [mN·m]	Status Stat
1	0.1	450.18	38.178	23.855	0.625	0.0923	0.041551	0.0015256	WMa
2	0.124	448.68	48.094	27.73	0.577	0.0973	0.054028	0.0019837	WMa
3	0.153	403.95	54.111	29.94	0.553	0.0991	0.061306	0.0022509	
4	0.189	361.19	59.943	32.978	0.550	0.0985	0.067403	0.0024747	
5	0.234	318.39	65.583	35.597	0.543	0.0987	0.073621	0.002703	
6	0.29	280.5	71.663	38.48	0.537	0.0992	0.08069	0.0029626	
7	0.359	251.55	79.688	42.38	0.532	0.0977	0.08815	0.0032365	
8	0.444	217.99	85.739	44.88	0.523	0.0974	0.094234	0.0034598	
9	0.549	189.66	93.425	46.088	0.493	0.0977	0.10175	0.0037359	
10	0.68	159.54	96.42	49.596	0.514	0.1	0.10861	0.0039878	
11	0.841	141.98	105.92	55.083	0.520	0.0988	0.11794	0.0043302	
12	1.04	122.35	112.59	59.41	0.528	0.0997	0.12692	0.0046601	
13	1.29	106.44	120.91	64.451	0.533	0.0995	0.13632	0.0050051	
14	1.59	92.44	130.19	68.769	0.528	0.0993	0.1462	0.0053676	
15	1.97	79.721	139.49	72.293	0.518	0.0989	0.15546	0.0057079	
16	2.44	68.926	147.6	80.389	0.545	0.0996	0.16739	0.0061458	
17	3.02	60.122	161.16	83.247	0.517	0.0973	0.17658	0.0064832	
18	3.73	51.184	169.38	88.43	0.522	0.1	0.19105	0.0070145	
19	4.62	44.608	182.32	95.972	0.526	0.0991	0.20426	0.0074994	
20	5.71	38.358	193.22	103.54	0.536	0.0984	0.2158	0.0079231	
21	7.07	32.98	206.34	108.66	0.527	0.0994	0.23179	0.0085103	



Method description:

To measure G' and G'' by varying angular frequency in linear viscoelastic region. Vary Angular Frequency: 0.1 to 500 rad/s (Ramp Logarithmic). Keep Shear Strain constant at 0.1%

Frequency sweep of the mColMaAlg 10:2 MV 20C

22	8.75	28.154	217.65	115.33	0.530	0.0993	0.24458	0.0089798	
23	10.8	24.456	234.9	122.12	0.520	0.1	0.26482	0.0097231	
24	13.4	21.223	251.95	131.61	0.522	0.0995	0.28269	0.010379	
25	16.6	18.247	266.39	143.12	0.537	0.1	0.30352	0.011144	
26	20.5	15.648	283.56	150.17	0.530	0.0998	0.32025	0.011758	
27	25.4	13.472	301.47	161.04	0.534	0.1	0.34243	0.012572	
28	31.4	11.578	320.71	170.98	0.533	0.0995	0.36174	0.013281	
29	38.8	9.8151	332.87	185.82	0.558	0.0995	0.37932	0.013927	
30	48.1	8.3711	351.31	195.99	0.558	0.0998	0.40145	0.014739	
31	59.5	6.9939	359.77	208.58	0.580	0.0999	0.41533	0.015249	
32	73.6	5.8748	372.93	218.48	0.586	0.1	0.43324	0.015906	
33	91	4.728	364.37	229.04	0.629	0.0995	0.42829	0.015725	
34	113	3.798	348.66	247.82	0.711	0.0999	0.4274	0.015692	
35	139	2.9167	308.79	264.31	0.856	0.1	0.40717	0.014949	
36	172	2.0421	223.52	272.06	1.217	0.1	0.35223	0.012932	
37	213	1.4118	90.391	287.32	3.179	0.1	0.30105	0.011053	
38	264	1.1799	0.015573	311.46	20000.000	0.1	0.3116	0.011441	ME-,taD
39	327	1.7981	0.029363	587.26	20000.000	0.0999	0.58664	0.021539	ME-,taD
40	404	2.8507	0.057598	1152	20000.000	0.1	1.152	0.042295	ME-,taD
41	500	4.2697	0.10674	2134.9	20000.000	0.1	2.1347	0.078377	ME-,taD



Method description:

To measure G' and G'' by varying angular frequency in linear viscoelastic region. Vary Angular Frequency: 0.1 to 500 rad/s (Ramp Logarithmic). Keep Shear Strain constant at 0.1%

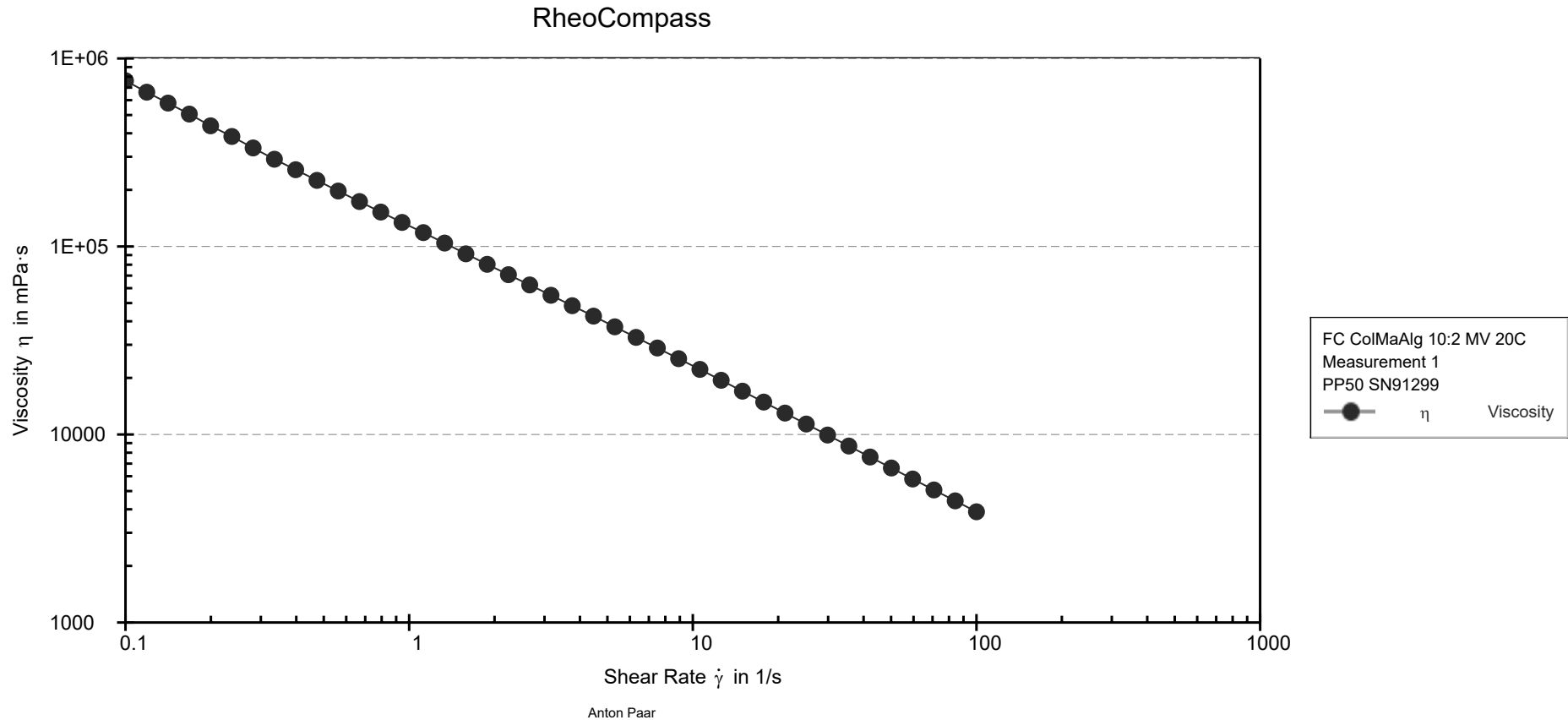
Frequency sweep of the mColMaAlg 10:2 MV 20C



Method description:

To measure G' and G'' by varying angular frequency in linear viscoelastic region. Vary Angular Frequency: 0.1 to 500 rad/s (Ramp Logarithmic). Keep Shear Strain constant at 0.1%

Flow curve of the mColMaAlg 10:2 MV 20C



Method description:
To measure viscosity by varying Shear Rate. Vary Shear Rate: 0.1 to 100 s⁻¹ (Ramp Logarithmic)

Flow curve of the mColMaAlg 10:2 MV 20C

FC ColMaAlg 10:2 MV 20C, Measurement 1, Interval 1

Point No. №	Shear Rate $\dot{\gamma}$ [1/s]	Shear Stress τ [Pa]	Viscosity η [mPa·s]	Torque M [mN·m]	Status Stat
1	0.1	76.171	7.6171E+05	2.7967	Sdy,Dy_auto
2	0.119	78.624	6.6153E+05	2.8867	Sdy,Dy_auto
3	0.141	81.774	5.7892E+05	3.0024	Sdy,Dy_auto
4	0.168	84.959	5.0607E+05	3.1193	Sdy,Dy_auto
5	0.2	87.451	4.383E+05	3.2108	Sdy,Dy_auto
6	0.237	91.225	3.8469E+05	3.3494	Sdy,Dy_auto
7	0.282	94.184	3.3418E+05	3.458	Sdy,Dy_auto
8	0.335	97.507	2.9109E+05	3.58	Sdy,Dy_auto
9	0.398	101.9	2.5597E+05	3.7415	Sdy,Dy_auto
10	0.473	106.31	2.2468E+05	3.9031	Sdy,Dy_auto
11	0.562	110.89	1.972E+05	4.0714	Sdy,Dy_auto
12	0.668	115.85	1.7334E+05	4.2536	Sdy,Dy_auto
13	0.794	121.06	1.5241E+05	4.4448	Sdy,Dy_auto
14	0.944	126.72	1.3423E+05	4.6527	Sdy,Dy_auto
15	1.12	132.97	1.1851E+05	4.882	Sdy,Dy_auto
16	1.33	139.03	1.0426E+05	5.1047	Sdy,Dy_auto
17	1.58	144.81	91370	5.3168	Sdy,Dy_auto
18	1.88	151.36	80357	5.5574	Sdy,Dy_auto
19	2.24	158.46	70784	5.8181	Sdy,Dy_auto
20	2.66	166.11	62430	6.0987	Sdy,Dy_auto
21	3.16	173.93	55002	6.386	Sdy,Dy_auto



Method description:

To measure viscosity by varying Shear Rate. Vary Shear Rate: 0.1 to 100 s⁻¹ (Ramp Logarithmic)

Flow curve of the mColMaAlg 10:2 MV 20C

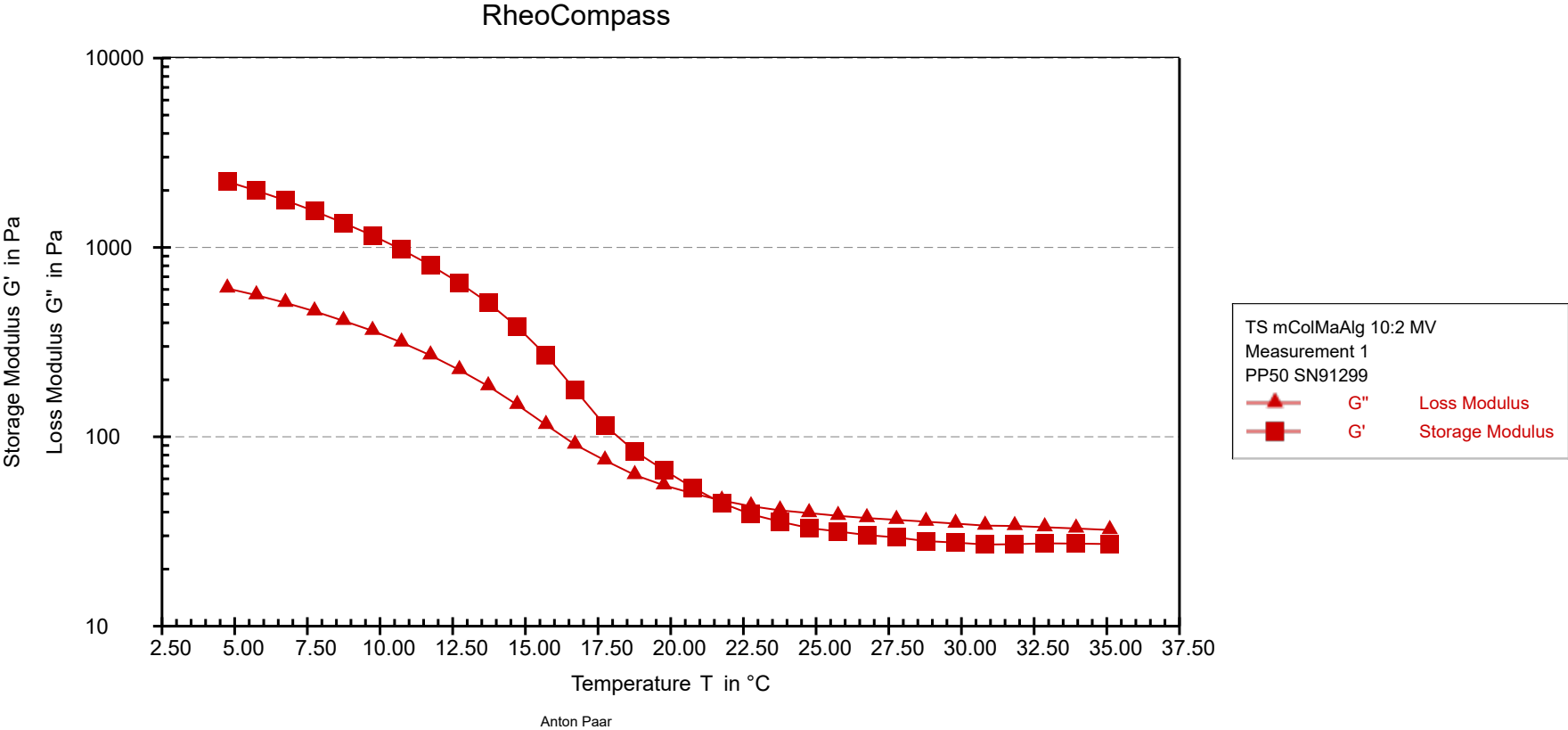
22	3.76	181.93	48407	6.6796	Sdy,Dy_auto
23	4.47	190.33	42610	6.9881	Sdy,Dy_auto
24	5.31	198.41	37373	7.2845	Sdy,Dy_auto
25	6.31	207.23	32843	7.6084	Sdy,Dy_auto
26	7.5	216.26	28839	7.9401	Sdy,Dy_auto
27	8.91	225.54	25305	8.2807	Sdy,Dy_auto
28	10.6	235.1	22194	8.6318	Sdy,Dy_auto
29	12.6	244.54	19424	8.9784	Sdy,Dy_auto
30	15	254.34	16998	9.3381	Sdy,Dy_auto
31	17.8	264.43	14869	9.7085	Sdy,Dy_auto
32	21.1	274.73	12999	10.087	Sdy,Dy_auto
33	25.1	285.51	11366	10.483	Sdy,Dy_auto
34	29.9	296.49	9930.9	10.886	Sdy,Dy_auto
35	35.5	308.04	8681.4	11.31	Sdy,Dy_auto
36	42.2	320	7588.2	11.749	Sdy,Dy_auto
37	50.1	332.49	6633.9	12.208	Sdy,Dy_auto
38	59.6	345.34	5797.4	12.679	Sdy,Dy_auto
39	70.8	358.87	5069.1	13.176	Sdy,Dy_auto
40	84.1	373.28	4436.4	13.705	Sdy,Dy_auto
41	100	388.04	3880.3	14.247	Sdy,Dy_auto



Method description:

To measure viscosity by varying Shear Rate. Vary Shear Rate: 0.1 to 100 s⁻¹ (Ramp Logarithmic)

Temperature Sweep of the mColMaAlg 10:2 MV



Method description:
Vary temperature from 35 to 5 C keep shear strain constant 1%.

Temperature Sweep of the mColMaAlg 10:2 MV

TS mColMaAlg 10:2 MV , Measurement 1, Interval 1

Point No. №	Time t [s]	Temperature T [°C]	Storage Modulus G' [Pa]	Loss Modulus G'' [Pa]	Loss Factor tan(δ) [1]	Complex Viscosity η* [mPa·s]	Gap d [mm]	Normal Force F _N [N]	Torque M [μN·m]	Status Stat
1	60.132	35.10	27.129	32.194	1.19	4210.1	1.001	---	15.445	
2	120.000	33.94	27.281	32.782	1.2	4264.9	1.001	---	15.639	
3	180.000	32.86	27.363	33.294	1.22	4309.5	1.001	---	15.822	
4	240.000	31.83	27.076	33.803	1.25	4331	1.000	---	15.897	
5	300.000	30.81	26.97	33.947	1.26	4335.7	1.000	---	15.946	
6	360.000	29.80	27.622	34.789	1.26	4442.1	1.000	---	16.311	
7	420.000	28.78	28.124	35.617	1.27	4538.2	1.000	---	16.689	
8	480.000	27.76	29.415	36.427	1.24	4682.1	1.001	---	17.183	
9	540.000	26.75	30.261	37.217	1.23	4796.7	1.001	---	17.598	
10	600.000	25.76	31.608	38.246	1.21	4961.7	1.001	---	18.205	
11	660.000	24.76	32.974	39.543	1.2	5148.7	1.001	---	18.87	
12	720.000	23.76	35.622	40.873	1.15	5421.7	1.001	---	19.879	
13	780.000	22.76	38.963	42.986	1.1	5801.6	1.001	---	21.246	
14	840.000	21.76	44.657	46.064	1.03	6415.7	1.001	---	23.463	
15	900.000	20.76	53.913	50.243	0.932	7369.5	1.000	---	26.926	
16	960.000	19.76	66.857	55.436	0.829	8685.1	1.000	---	31.68	
17	1020.000	18.76	83.792	62.84	0.75	10474	1.000	---	38.127	
18	1080.000	17.74	114.88	75.037	0.653	13721	1.000	---	49.535	
19	1140.000	16.71	177.42	90.955	0.513	19938	1.001	---	71.662	
20	1200.000	15.71	269.79	115.64	0.429	29353	1.001	---	105.47	
21	1260.000	14.72	381.33	147.49	0.387	40886	1.001	---	147.27	



Method description:

Vary temperture from 35 to 5 C keep shear strain constant 1%.

Temperature Sweep of the mColMaAlg 10:2 MV

22	1320.000	13.72	510.4	185.1	0.363	54293	1.001	---	195.99
23	1380.000	12.73	649.87	225.33	0.347	68782	1.001	---	248.96
24	1440.000	11.74	805.77	269.16	0.334	84953	1.001	---	307.66
25	1500.000	10.74	974.74	314.9	0.323	1.0243E+05	1.001	---	371.5
26	1560.000	9.74	1156.5	362.88	0.314	1.2121E+05	1.001	---	440.37
27	1620.000	8.74	1347.4	409.67	0.304	1.4083E+05	1.001	---	512.02
28	1680.000	7.75	1554.8	459.99	0.296	1.6215E+05	1.000	---	589.6
29	1740.000	6.74	1772.6	510.3	0.288	1.8446E+05	1.000	---	671.3
30	1800.000	5.75	1995.5	559.55	0.28	2.0725E+05	1.000	---	754.89
31	1860.000	4.75	2226.6	607.2	0.273	2.3079E+05	1.000	---	840.91

TS bGelMaAlg 10:1 (MV) 1, Measurement 1, Interval 1

Point No. Nº	Time t [s]	Temperature T [°C]	Storage Modulus G' [Pa]	Loss Modulus G'' [Pa]	Loss Factor tan(δ) [1]	Complex Viscosity η* [mPa·s]	Gap d [mm]	Normal Force F _N [N]	Torque M [μN·m]	Status Stat
1	60.000	35.09	40.637	66.203	1.63	7768	1.024	---	28.456	
2	120.000	33.93	47.271	70.918	1.5	8522.9	1.025	---	31.265	
3	180.000	32.85	50.773	73.468	1.45	8930.5	1.025	---	32.762	
4	240.000	31.81	54.138	75.985	1.4	9329.8	1.024	---	34.23	
5	300.000	30.79	56.279	77.84	1.38	9605.4	1.024	---	35.201	
6	360.000	29.77	59.67	80.623	1.35	10030	1.024	---	36.732	
7	420.000	28.75	63.194	83.574	1.32	10478	1.024	---	38.403	
8	480.000	27.76	68.34	87.672	1.28	11116	1.024	---	40.685	
9	540.000	26.76	75.157	92.962	1.24	11954	1.024	---	43.731	
10	600.000	25.76	87.515	100.69	1.15	13341	1.024	---	48.765	



Method description:

Vary temperture from 35 to 5 C keep shear strain constant 1%.

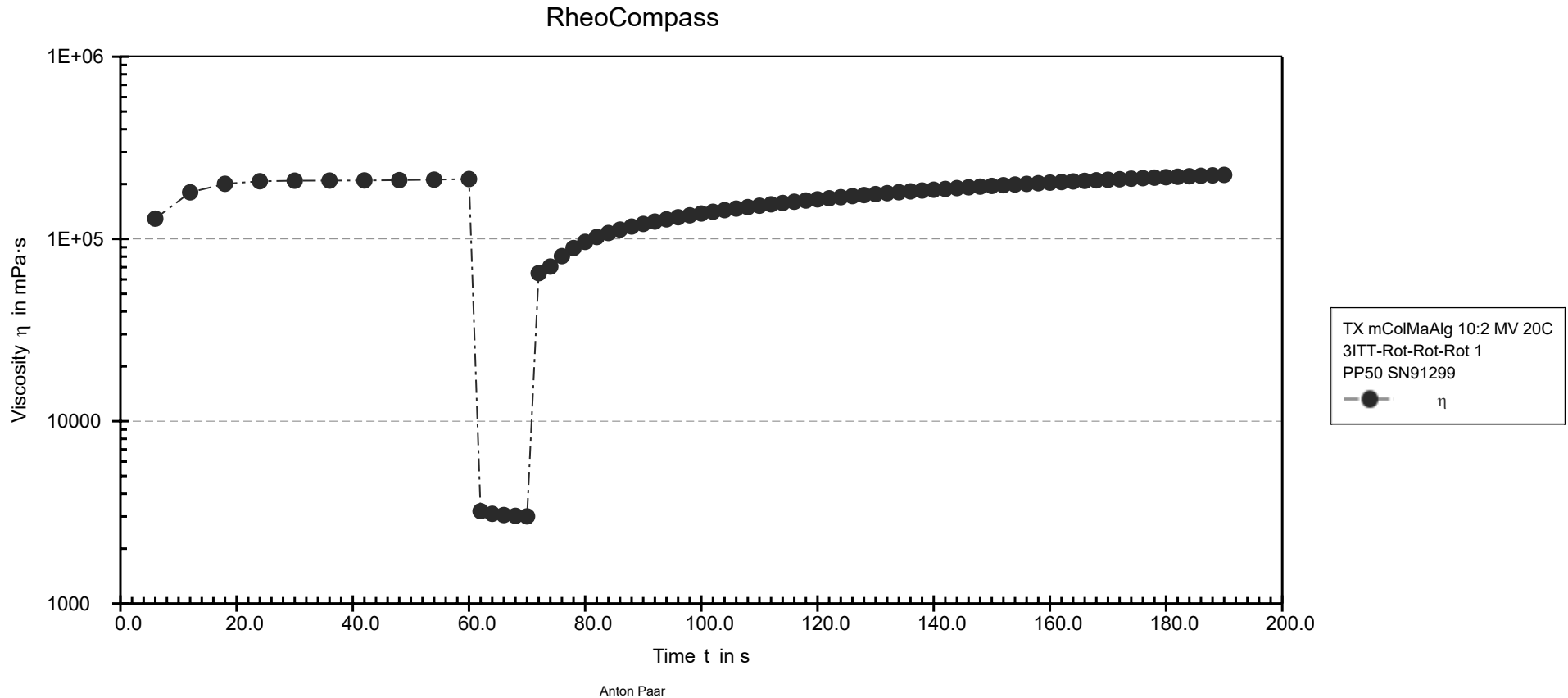
Temperature Sweep of the mColMaAlg 10:2 MV

11	660.000	24.76	111.36	112.48	1.01	15828	1.025	---	57.599
12	720.000	23.76	154.41	127.08	0.823	19998	1.025	---	72.387
13	780.000	22.76	222.44	148.01	0.665	26718	1.025	---	96.479
14	840.000	21.76	311.29	177.21	0.569	35819	1.025	---	129.31
15	900.000	20.76	419.85	216.6	0.516	47243	1.024	---	170.1
16	960.000	19.73	543.39	263.05	0.484	60371	1.024	---	218.29
17	1020.000	18.70	680.5	316.33	0.465	75043	1.024	---	271.89
18	1080.000	17.70	823.8	370.75	0.45	90338	1.024	---	327.82
19	1140.000	16.71	973.63	426.94	0.438	1.0631E+05	1.024	---	386.3
20	1200.000	15.72	1125.4	481.11	0.428	1.2239E+05	1.024	---	445.12
21	1260.000	14.73	1285.7	538.7	0.419	1.394E+05	1.024	---	507.45
22	1320.000	13.73	1451.5	598.19	0.412	1.5699E+05	1.024	---	571.93
23	1380.000	12.73	1631	657.01	0.403	1.7584E+05	1.024	---	640.1
24	1440.000	11.74	1806.5	711.58	0.394	1.9416E+05	1.025	---	708.13
25	1500.000	10.74	1991.2	770.39	0.387	2.1351E+05	1.025	---	778.76
26	1560.000	9.74	2187.2	818.84	0.374	2.3355E+05	1.025	---	852.13
27	1620.000	8.75	2376.1	883.58	0.372	2.5351E+05	1.024	---	925.8
28	1680.000	7.75	2573.7	941.28	0.366	2.7404E+05	1.024	---	1000.8
29	1740.000	6.75	2773.9	996.64	0.359	2.9475E+05	1.024	---	1077.4
30	1800.000	5.75	2980.8	1055	0.354	3.162E+05	1.024	---	1155.1
31	1860.000	4.75	3188.4	1106.2	0.347	3.3749E+05	1.024	---	1233.3



Method description:
Vary temperture from 35 to 5 C keep shear strain constant 1%.

Thixotropic Behavior of the mColMaAlg 10:2 MV 20C



Method description:

To measure viscosity by varying Shear Rate periodically high and low. Vary Shear Rate periodically from 0.1 s⁻¹ (for 60 s) to 100 s⁻¹ (for 10 s) and than to 0.1 s⁻¹ (120 s).

Thixotropic Behavior of the mColMaAlg 10:2 MV 20C

TX mColMaAlg 10:2 MV 20C, 3ITT-Rot-Rot-Rot 1, Interval 1

Point No. №	Time t [s]	Shear Stress τ [Pa]	Viscosity η [mPa·s]	Torque M [μ N·m]	Status Stat
1	6.00	12.921	1.292E+05	474.38	Dy_au to
2	12.00	18.02	1.802E+05	661.61	Dy_au to
3	18.00	20.067	2.0067E+05	736.75	Dy_au to
4	24.00	20.728	2.0728E+05	761.04	Dy_au to
5	30.00	20.875	2.0874E+05	766.42	Dy_au to
6	36.00	20.899	2.09E+05	767.32	Dy_au to
7	42.00	20.935	2.0935E+05	768.64	Dy_au to
8	48.00	21.016	2.1015E+05	771.6	Dy_au to
9	54.00	21.144	2.1144E+05	776.31	Dy_au to
10	60.00	21.314	2.1314E+05	782.56	Dy_au to

TX mColMaAlg 10:2 MV 20C, 3ITT-Rot-Rot-Rot 1, Interval 2



Method description:

To measure viscosity by varying Shear Rate periodically high and low. Vary Shear Rate periodically from 0.1 s⁻¹ (for 60 s) to 100 s⁻¹ (for 10 s) and than to 0.1 s⁻¹ (120 s).

Thixotropic Behavior of the mColMaAlg 10:2 MV 20C

Point No. №	Time t [s]	Shear Stress τ [Pa]	Viscosity η [mPa·s]	Torque M [μ N·m]	Status Stat
1	62.00	320.85	3207.8	11780	Dy_au to
2	64.00	310.41	3103.5	11397	Dy_au to
3	66.00	305.56	3055.2	11219	Dy_au to
4	68.00	302.49	3024.7	11106	Dy_au to
5	70.00	300.34	3003.2	11027	Dy_au to

TX mColMaAlg 10:2 MV 20C, 3ITT-Rot-Rot-Rot 1, Interval 3

Point No. №	Time t [s]	Shear Stress τ [Pa]	Viscosity η [mPa·s]	Torque M [μ N·m]	Status Stat
1	72.00	6.4883	64885	238.22	Dy_au to
2	74.00	7.0537	70537	258.98	Dy_au to
3	76.00	8.0461	80463	295.42	Dy_au to
4	78.00	8.9087	89082	327.09	Dy_au to



Method description:

To measure viscosity by varying Shear Rate periodically high and low. Vary Shear Rate periodically from 0.1 s⁻¹ (for 60 s) to 100 s⁻¹ (for 10 s) and than to 0.1 s⁻¹ (120 s).

Thixotropic Behavior of the mColMaAlg 10:2 MV 20C

5	80.00	9.6303	96305	353.58	Dy_au o
6	82.00	10.241	1.0241E+05	376.02	Dy_au o
7	84.00	10.774	1.0774E+05	395.58	Dy_au o
8	86.00	11.25	1.125E+05	413.06	Dy_au o
9	88.00	11.69	1.1692E+05	429.22	Dy_au o
10	90.00	12.083	1.2083E+05	443.63	Dy_au o
11	92.00	12.449	1.2449E+05	457.06	Dy_au o
12	94.00	12.809	1.2809E+05	470.28	Dy_au o
13	96.00	13.148	1.315E+05	482.73	Dy_au o
14	98.00	13.475	1.3476E+05	494.75	Dy_au o
15	100.00	13.788	1.3788E+05	506.24	Dy_au o
16	102.00	14.093	1.4092E+05	517.41	Dy_au o
17	104.00	14.388	1.4388E+05	528.26	Dy_au o
18	106.00	14.675	1.4675E+05	538.78	Dy_au



Method description:

To measure viscosity by varying Shear Rate periodically high and low. Vary Shear Rate periodically from 0.1 s⁻¹ (for 60 s) to 100 s⁻¹ (for 10 s) and than to 0.1 s⁻¹ (120 s).

Thixotropic Behavior of the mColMaAlg 10:2 MV 20C

19	108.00	14.95	1.4951E+05	548.91	o Dy_aut o
20	110.00	15.216	1.5216E+05	558.67	Dy_aut o
21	112.00	15.487	1.5486E+05	568.6	Dy_aut o
22	114.00	15.748	1.5749E+05	578.21	Dy_aut o
23	116.00	15.996	1.5997E+05	587.32	Dy_aut o
24	118.00	16.244	1.6244E+05	596.41	Dy_aut o
25	120.00	16.484	1.6484E+05	605.23	Dy_aut o
26	122.00	16.717	1.6716E+05	613.76	Dy_aut o
27	124.00	16.945	1.6946E+05	622.16	Dy_aut o
28	126.00	17.181	1.7182E+05	630.82	Dy_aut o
29	128.00	17.403	1.7404E+05	638.97	Dy_aut o
30	130.00	17.618	1.7618E+05	646.85	Dy_aut o
31	132.00	17.831	1.783E+05	654.66	Dy_aut o



Method description:

To measure viscosity by varying Shear Rate periodically high and low. Vary Shear Rate periodically from 0.1 s⁻¹ (for 60 s) to 100 s⁻¹ (for 10 s) and than to 0.1 s⁻¹ (120 s).

Thixotropic Behavior of the mColMaAlg 10:2 MV 20C

32	134.00	18.038	1.8038E+05	662.25	Dy_au to
33	136.00	18.239	1.8238E+05	669.65	Dy_au to
34	138.00	18.436	1.8436E+05	676.87	Dy_au to
35	140.00	18.623	1.8623E+05	683.75	Dy_au to
36	142.00	18.807	1.8807E+05	690.49	Dy_au to
37	144.00	19.008	1.9009E+05	697.89	Dy_au to
38	146.00	19.194	1.9193E+05	704.73	Dy_au to
39	148.00	19.366	1.9366E+05	711.04	Dy_au to
40	150.00	19.535	1.9535E+05	717.22	Dy_au to
41	152.00	19.709	1.9709E+05	723.62	Dy_au to
42	154.00	19.88	1.988E+05	729.88	Dy_au to
43	156.00	20.043	2.0043E+05	735.89	Dy_au to
44	158.00	20.204	2.0205E+05	741.79	Dy_au to
45	160.00	20.362	2.0361E+05	747.59	Dy_au to



Method description:

To measure viscosity by varying Shear Rate periodically high and low. Vary Shear Rate periodically from 0.1 s⁻¹ (for 60 s) to 100 s⁻¹ (for 10 s) and than to 0.1 s⁻¹ (120 s).

Thixotropic Behavior of the mColMaAlg 10:2 MV 20C

46	162.00	20.517	2.0516E+05	753.29	o Dy_aut o
47	164.00	20.67	2.067E+05	758.92	Dy_aut o
48	166.00	20.822	2.0823E+05	764.5	Dy_aut o
49	168.00	20.975	2.0975E+05	770.11	Dy_aut o
50	170.00	21.116	2.1117E+05	775.29	Dy_aut o
51	172.00	21.25	2.125E+05	780.2	Dy_aut o
52	174.00	21.401	2.1402E+05	785.75	Dy_aut o
53	176.00	21.55	2.155E+05	791.23	Dy_aut o
54	178.00	21.686	2.1687E+05	796.2	Dy_aut o
55	180.00	21.802	2.1802E+05	800.47	Dy_aut o
56	182.00	21.933	2.1932E+05	805.27	Dy_aut o
57	184.00	22.067	2.2067E+05	810.19	Dy_aut o
58	186.00	22.197	2.2197E+05	814.97	Dy_aut o



Method description:

To measure viscosity by varying Shear Rate periodically high and low. Vary Shear Rate periodically from 0.1 s⁻¹ (for 60 s) to 100 s⁻¹ (for 10 s) and than to 0.1 s⁻¹ (120 s).

Thixotropic Behavior of the mColMaAlg 10:2 MV 20C

59	188.00	22.325	2.2324E+05	819.67	Dy_au o
60	190.00	22.45	2.2451E+05	824.26	Dy_au o



Method description:

To measure viscosity by varying Shear Rate periodically high and low. Vary Shear Rate periodically from 0.1 s⁻¹ (for 60 s) to 100 s⁻¹ (for 10 s) and than to 0.1 s⁻¹ (120 s).