Glass Engineering 14:635:312

Spring 2012

Fulcher Equation Homework

Professor Lehman

Glass Composition	Annealing Point	Softening Point	Gob Temperature
1	540	722	1185
2	528	697	1148
3	502	698	1245
4	533	716	1183
5	548	728	1189
6	560	723	1128
7	522	761	1179
8	528	692	1241
9	524	704	1143
10	505	751	1143
11	564	745	1229
12	525	757	1204
13	537	743	1192
14	556	762	1172
15	576	691	1127
16	562	704	1152
17	524	722	1210
18	527	720	1180
19	518	705	1178
20	514	710	1138

Note: Gob Temperature is when log (viscosity) = 3

Assignment (due 2/16/12):

[1] Calculate Fulcher Coefficients for any three glasses selected at random.
[2] Graph log viscosity versus temperature
[3] Submit hard copy on Feb 16