Supporting Information for

Modeling the Slow Arrhenius Process (SAP) in Polymers

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1. Plots of the α- and SAP relaxation times for various polymers

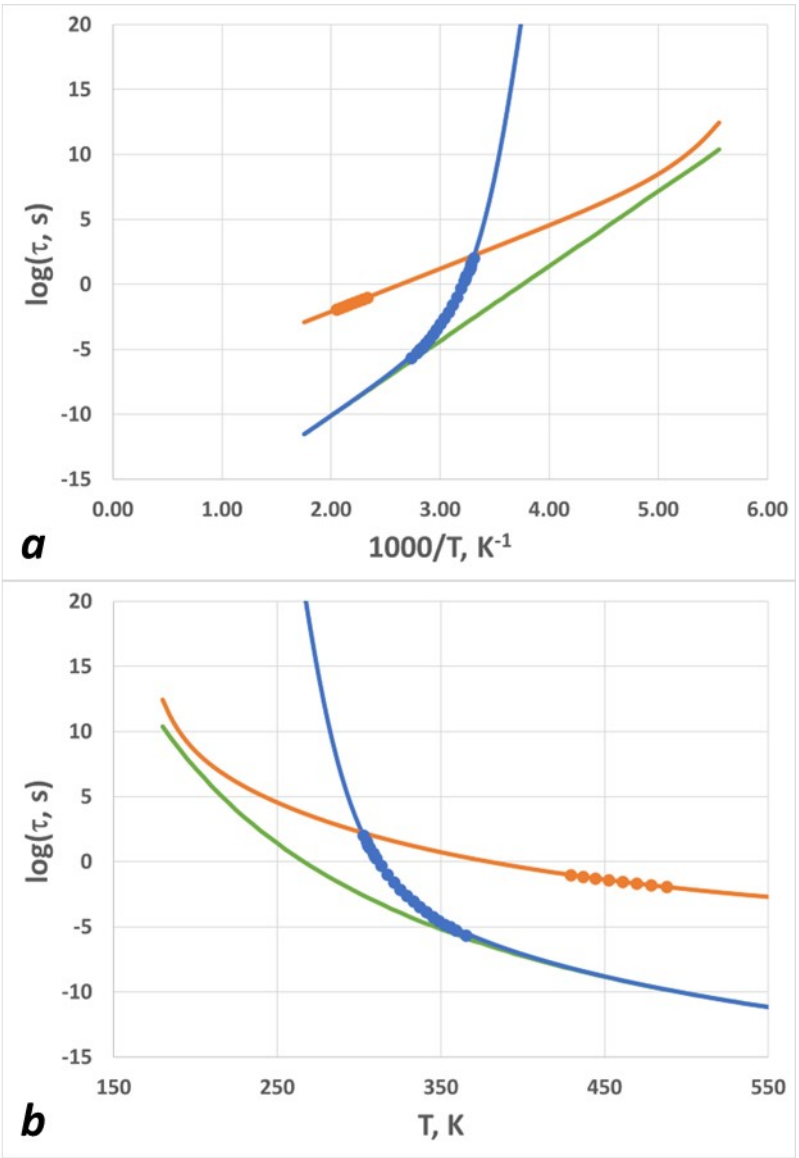

Figure S 1. Experimental data (circles) and TS2 model fits for PVAc. (a) Arrhenius plot; (b) standard temperature-relaxation time plot. Orange circles are the data for SAP relaxation times, and blue circles are the data for the α-relaxation times. Orange line is the TS2 model for SAP, blue line is the TS2 model for the α-process, and green line is the SAP model for the JG β-process.

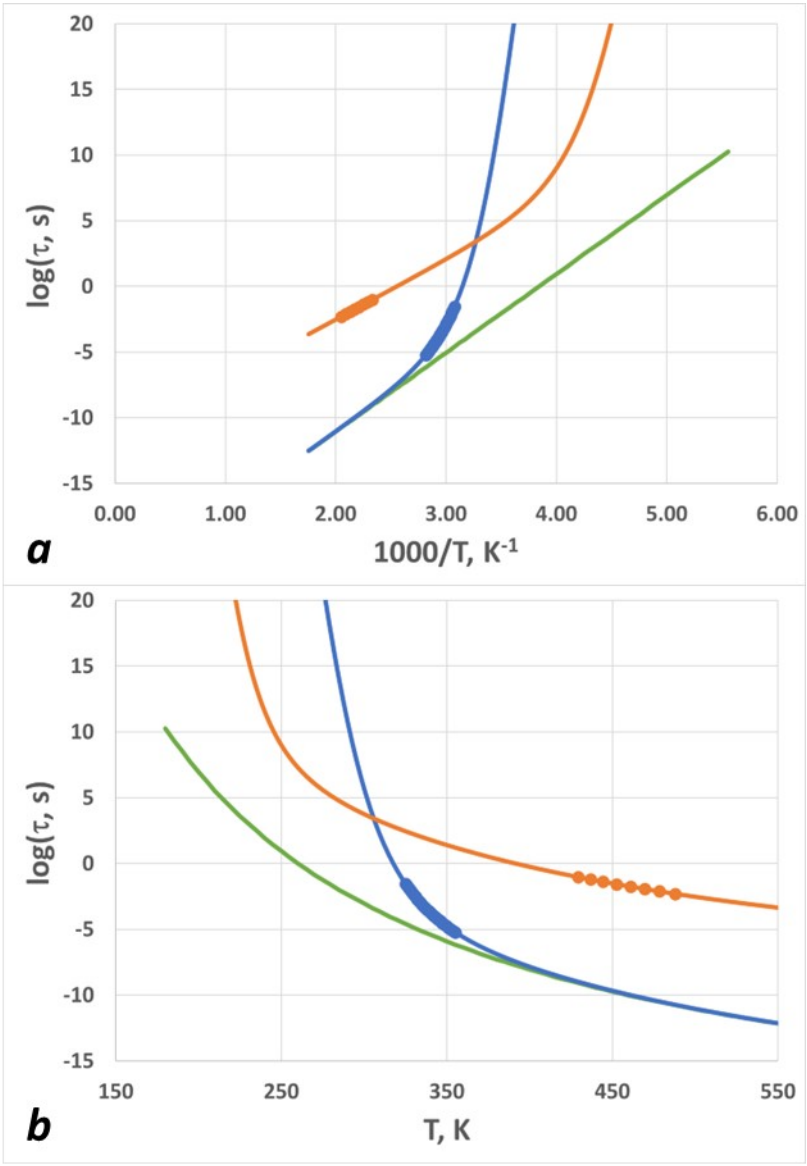

Figure S 2. Same as Figure S1, but for PTBuA.

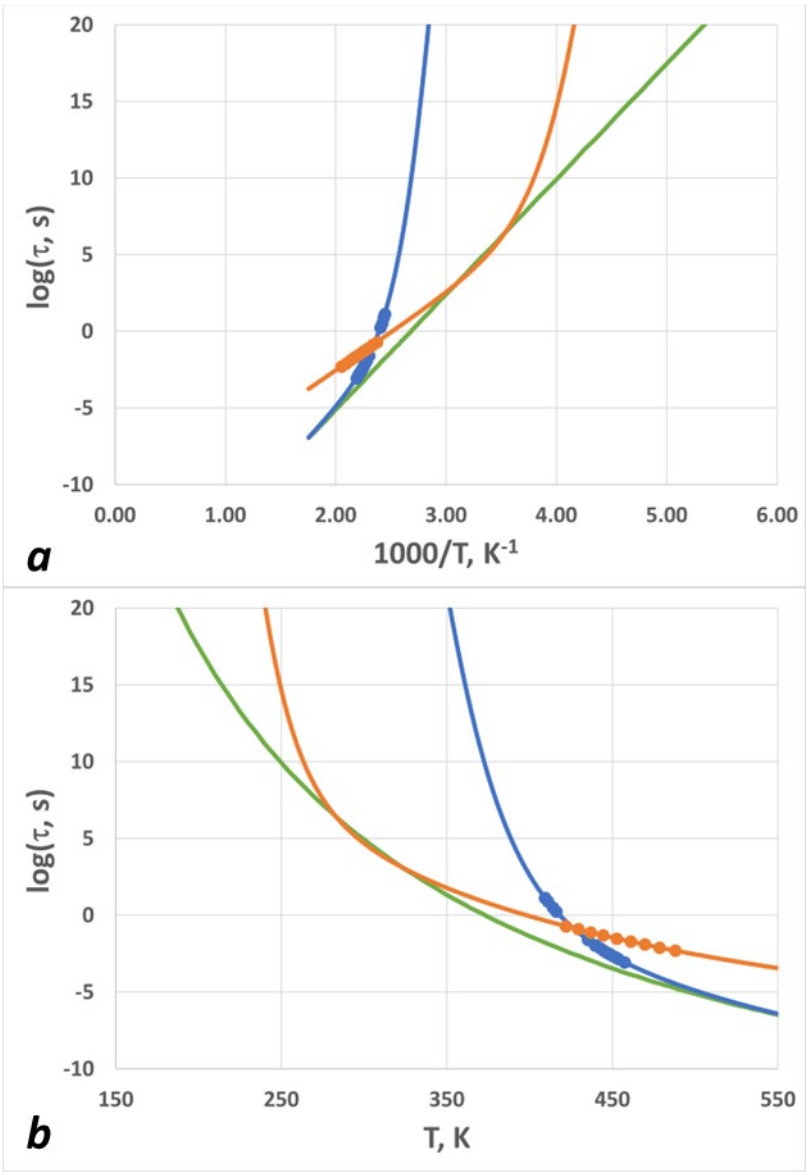

Figure S 3. Same as Figure S1, but for PTBS.

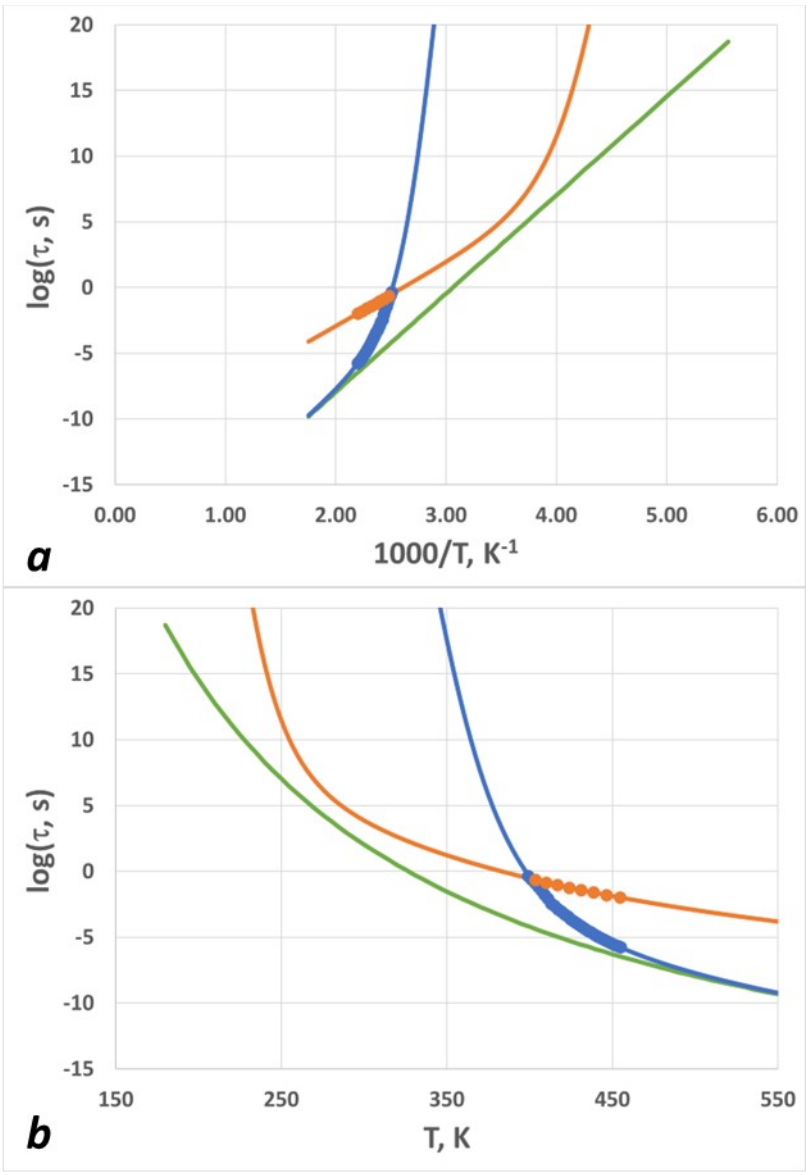

Figure S 4. Same as Figure S1, but for PTBMA.

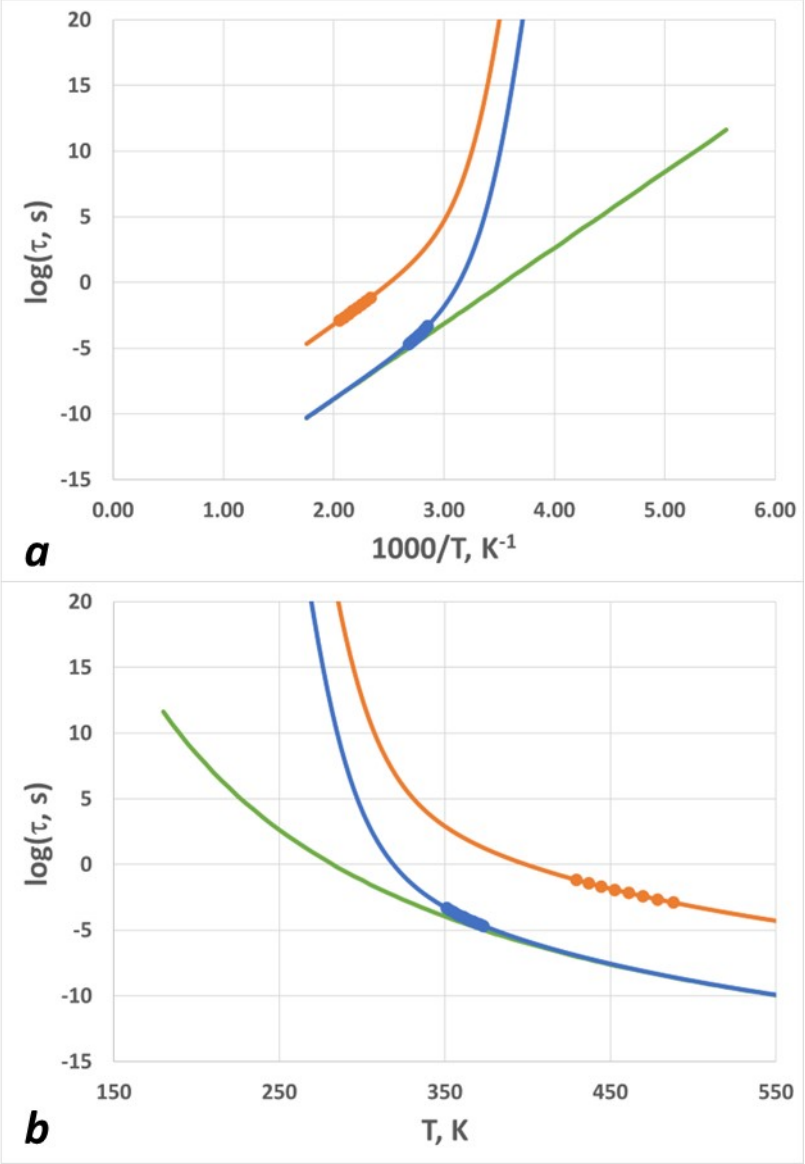

Figure S 5. Same as Figure S1, but for PNPMA.

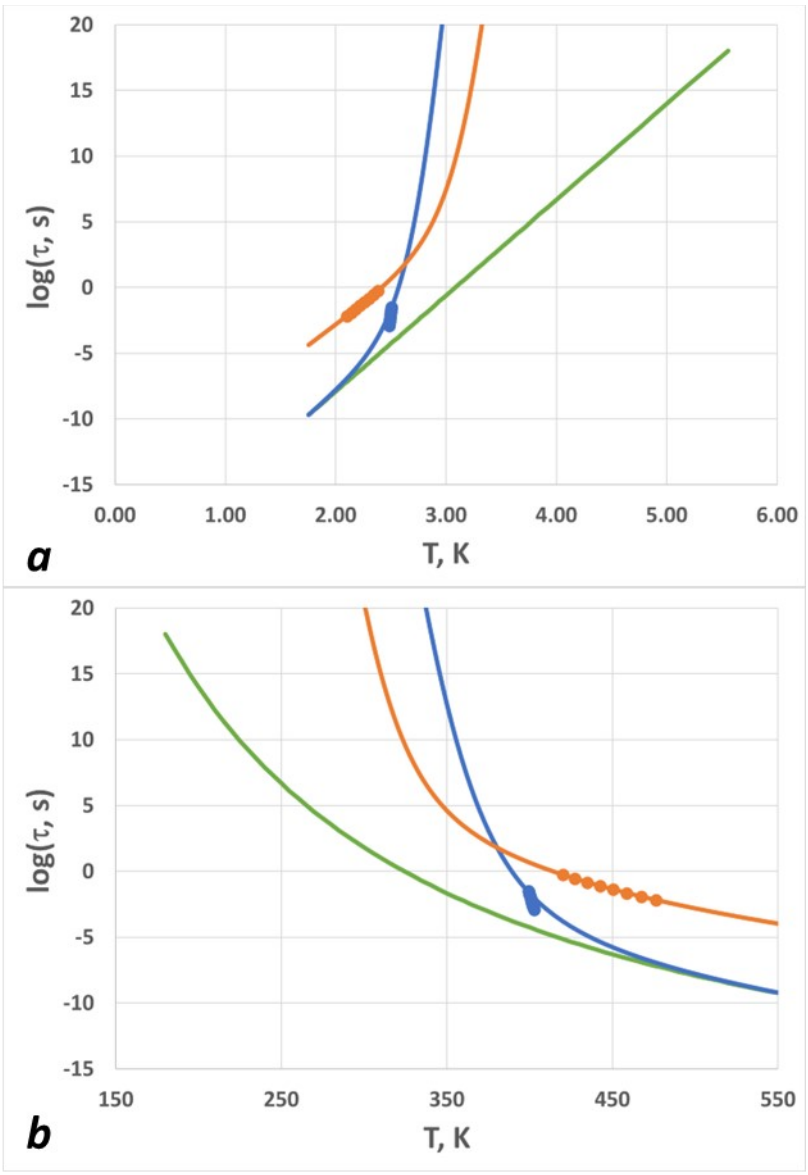

Figure S 6. Same as Figure S1, but for PMMA.

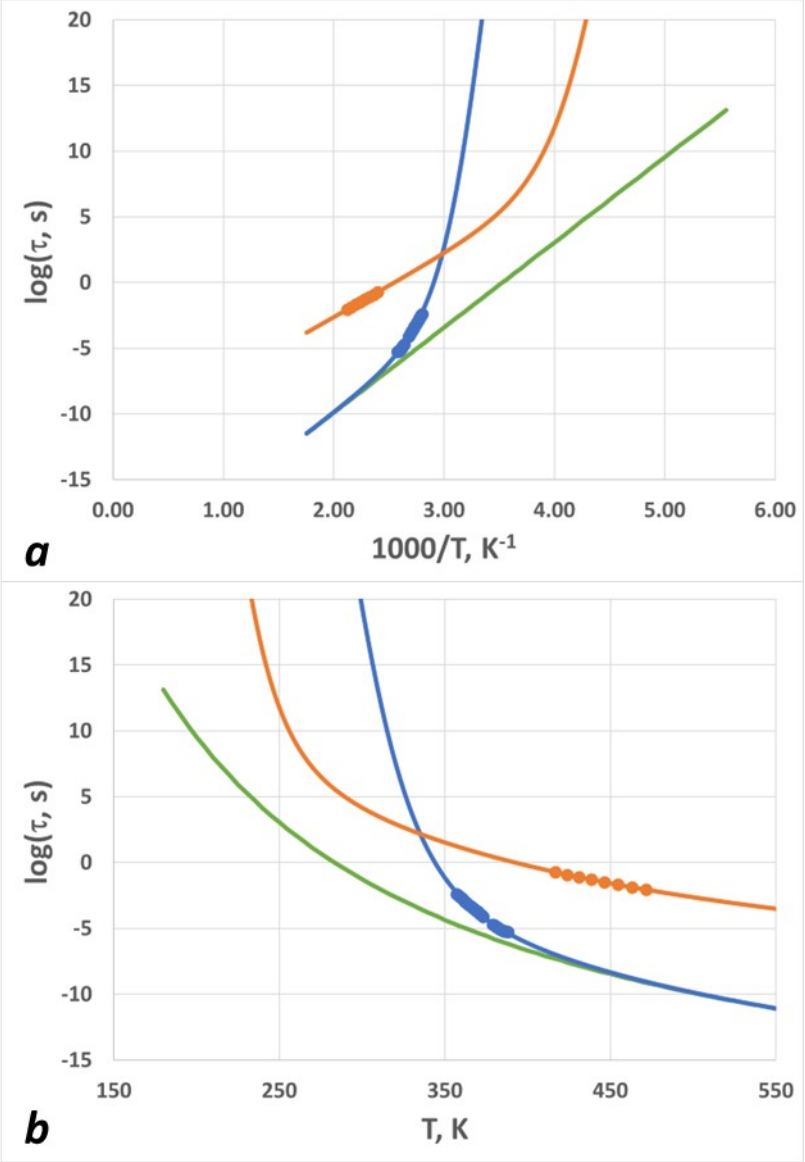

Figure S 7. Same as Figure S1, but for PEMA.

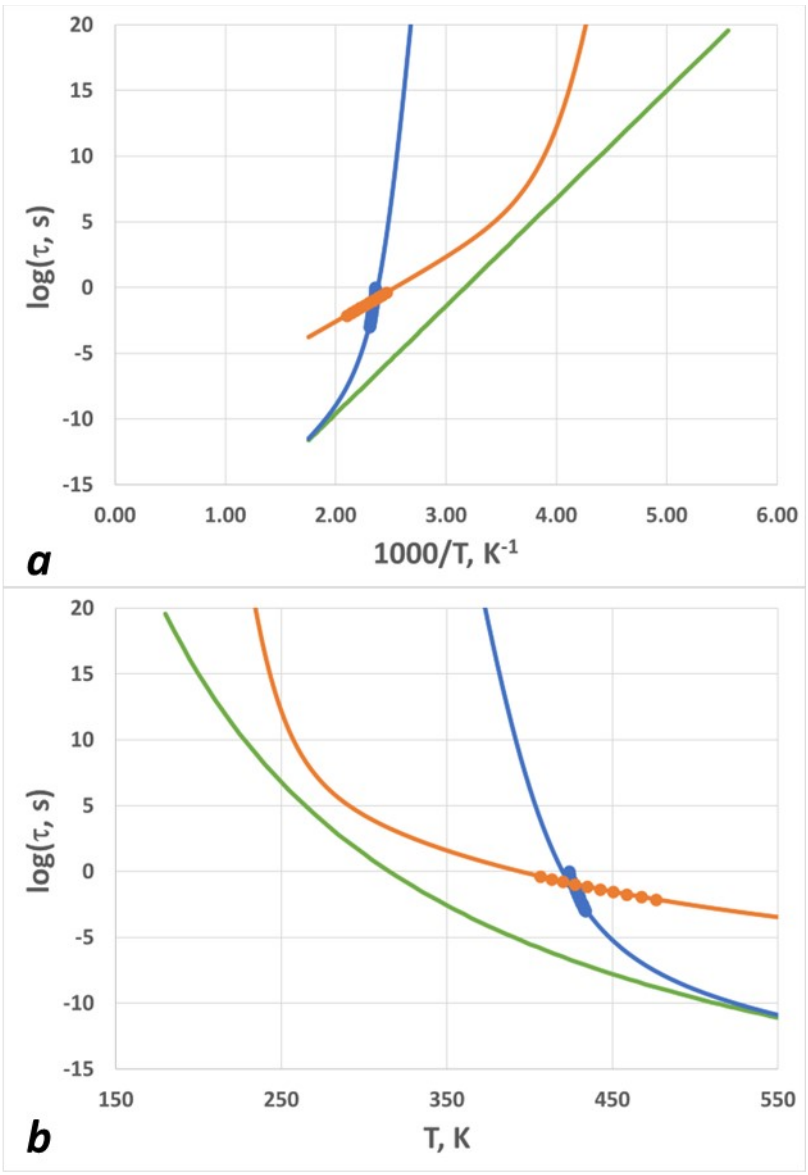

Figure S 8. Same as Figure S1, but for PC.

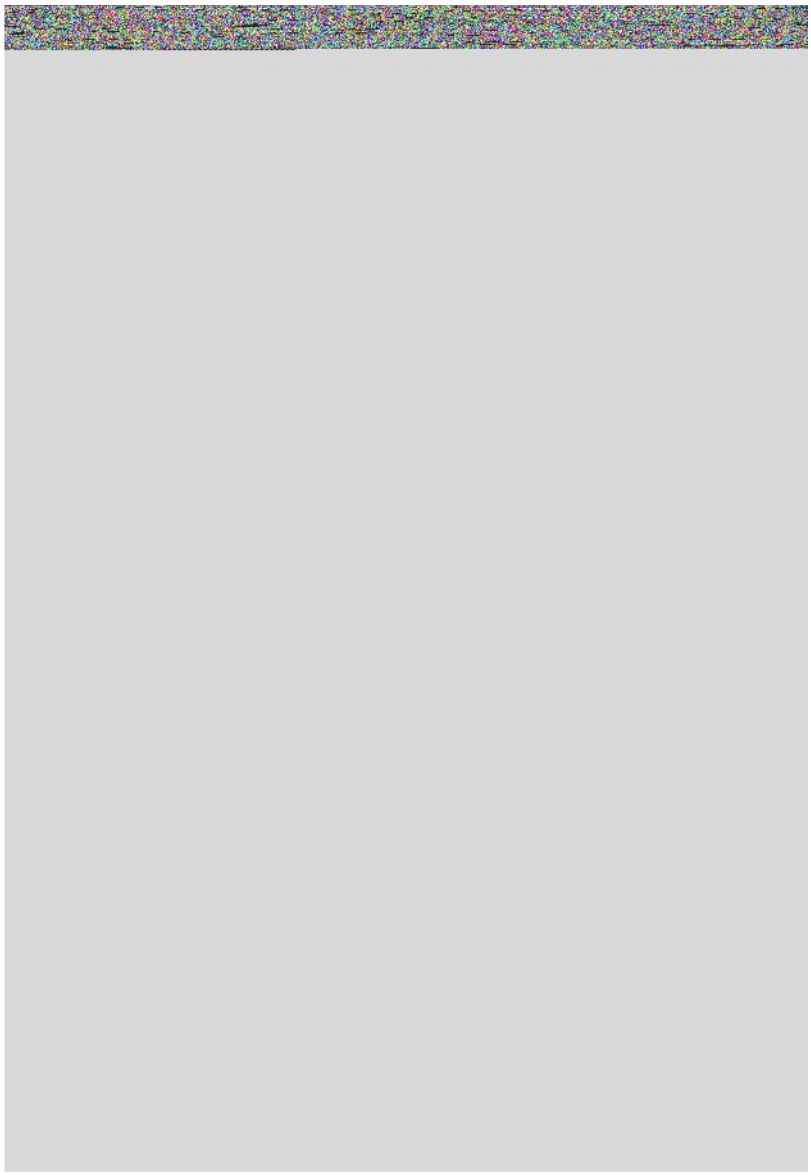

Figure S 9. Same as Figure S1, but for PBzMA.

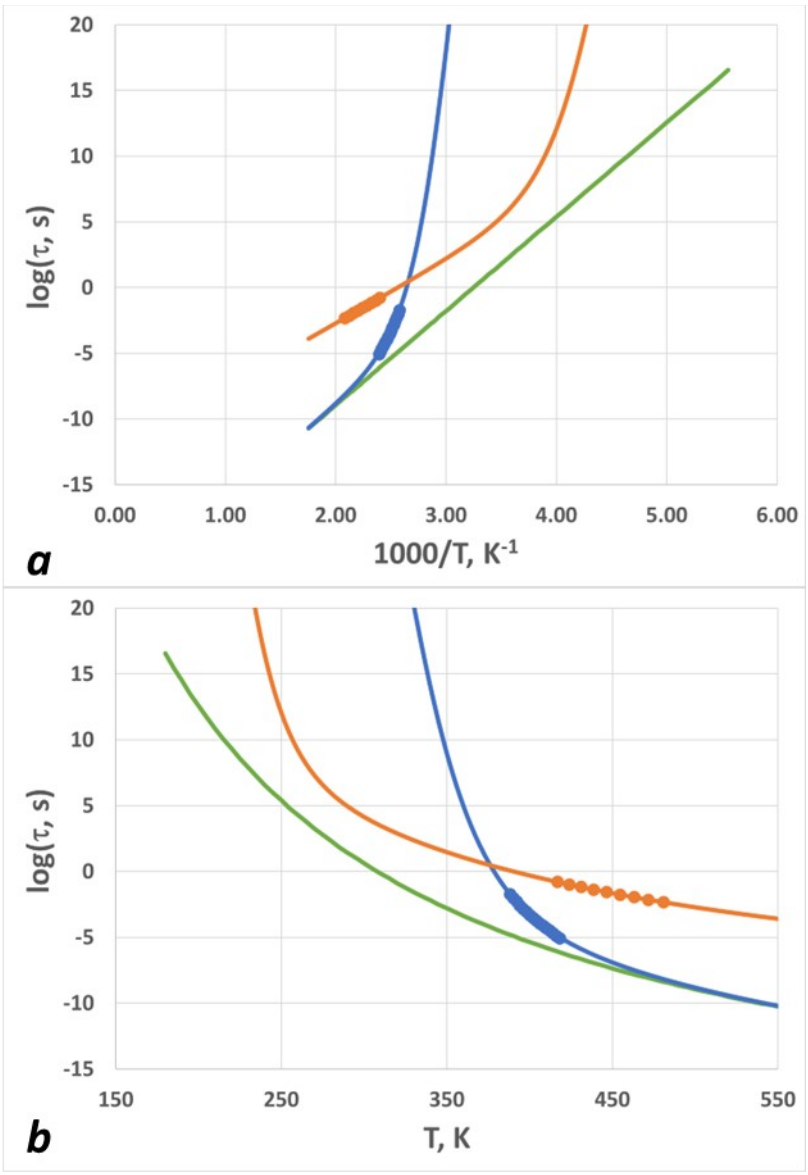

Figure S 10. Same as Figure S1, but for P4MS.

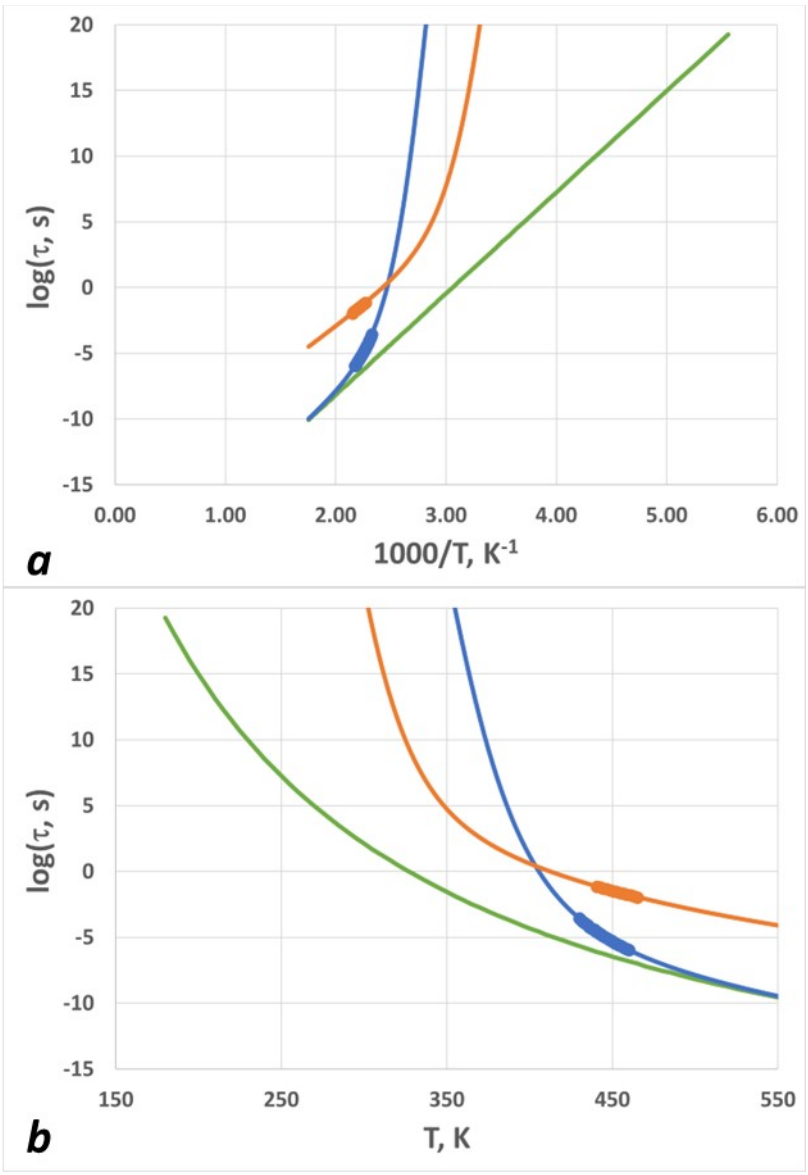

Figure S 11. Same as Figure S1, but for P4ClS.

2. Table of the α- and SAP activation energies for various polymers

Table S 1. Activation energies of the α-process and the SAP.

Polymer	α-process	SAP
	E_1, kJ/mol	E_1, kJ/mol
P4ClS	148	121
P4MS	137	92
PBzMA	121	87
PC	157	92
PEMA	124	91.6
PMMA	139	120
PNPMA	110	114
PS	137	90.4
PTBMA	143	91.6
PTBS	144	94.4
PTBuA	115	87
PVAc	110	63.2
PIB	66	82