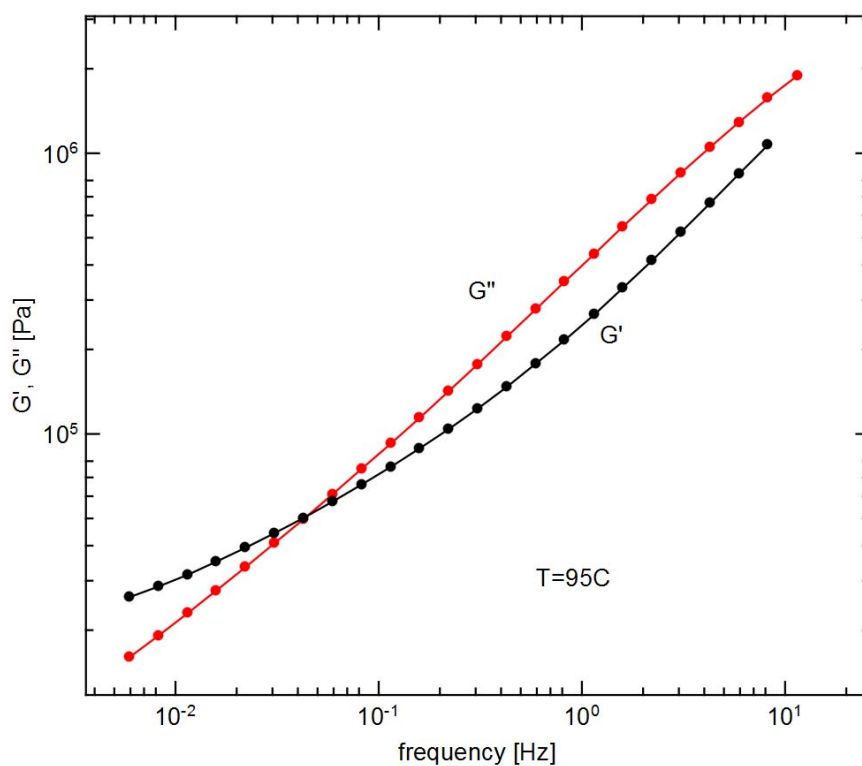


Supporting information for: Ion and chain mobility in a tetrazole proton-conducting polymer

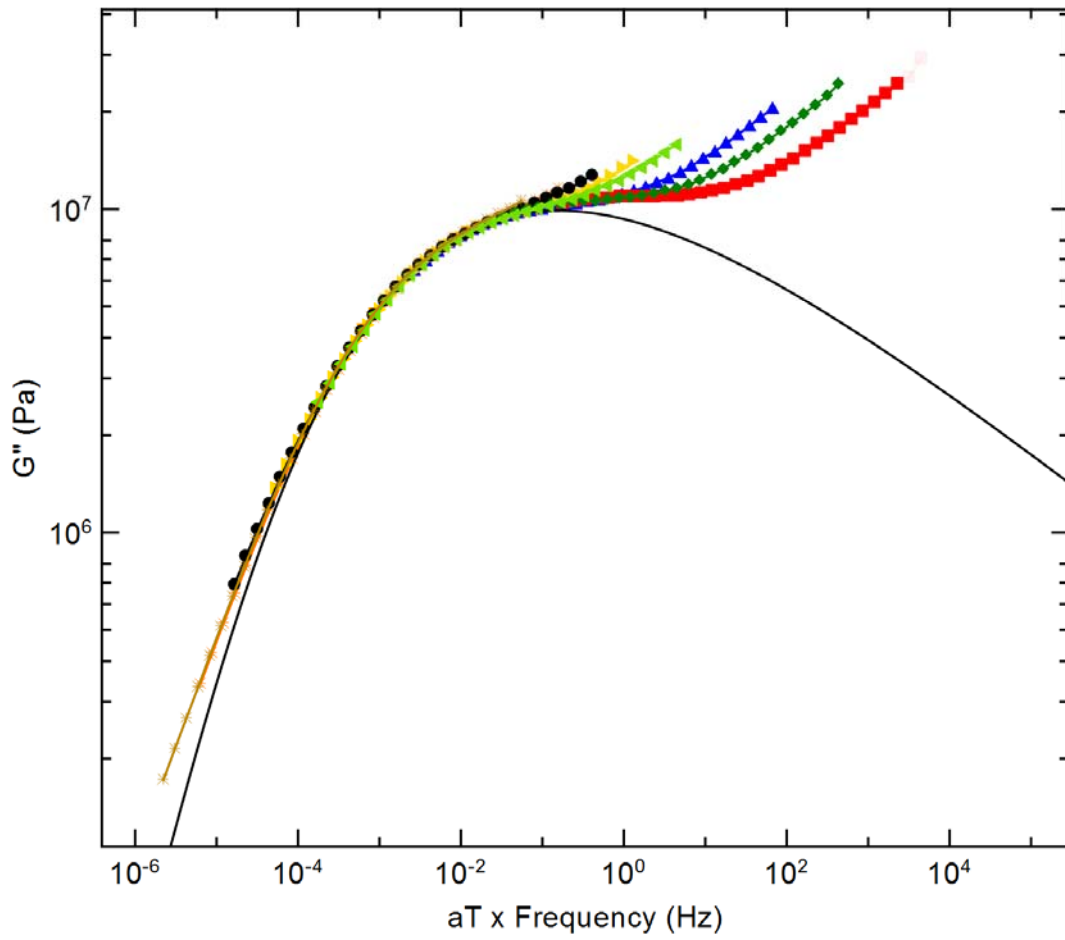
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Mechanical measurements at high temperature.



Storage and Loss moduli of PS-(Tz-co-CN) measured at $T=95^\circ\text{C}$. At low frequency the slope of G' decreases



Master curve of the slow mechanical relaxation to determine the shift factor a_T . The solid line is the best fit to the spectra at $T=56^\circ\text{C}$ with a KWW function ($\log(\tau)=-0.198$, $\Delta G=8.7\times 10^7\text{Pa}$, $\beta_{\text{KWW}}=0.2$). The spectra are for temperatures ($^\circ\text{C}$): 47, 50, 53, 56, 59, 62, 65, 68, 71.