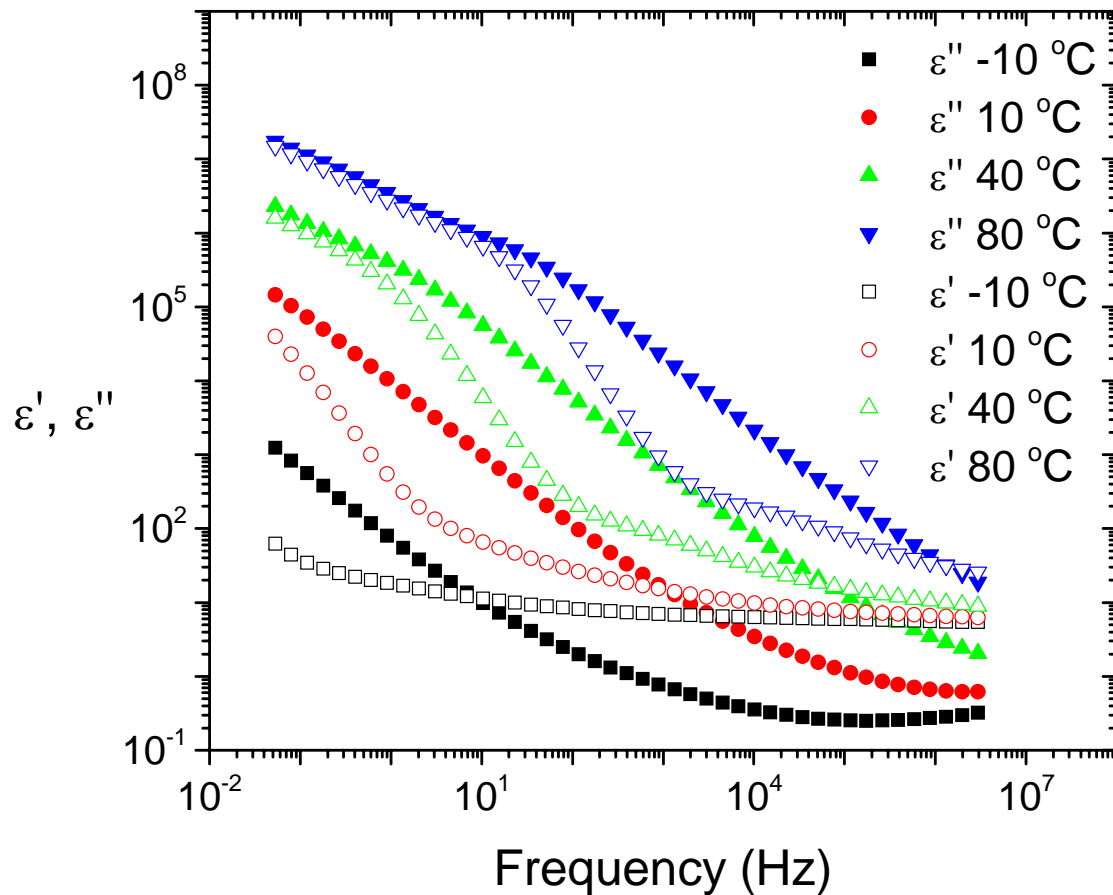
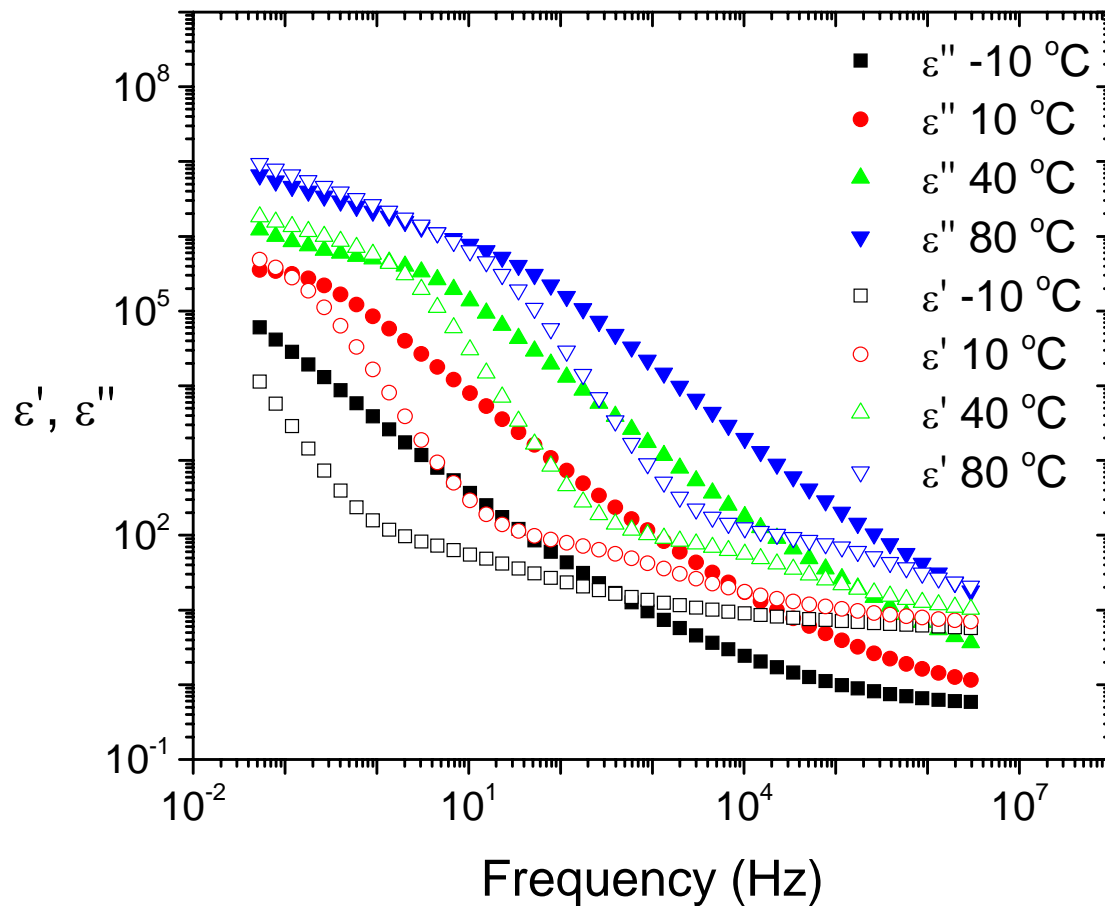


Supporting Information



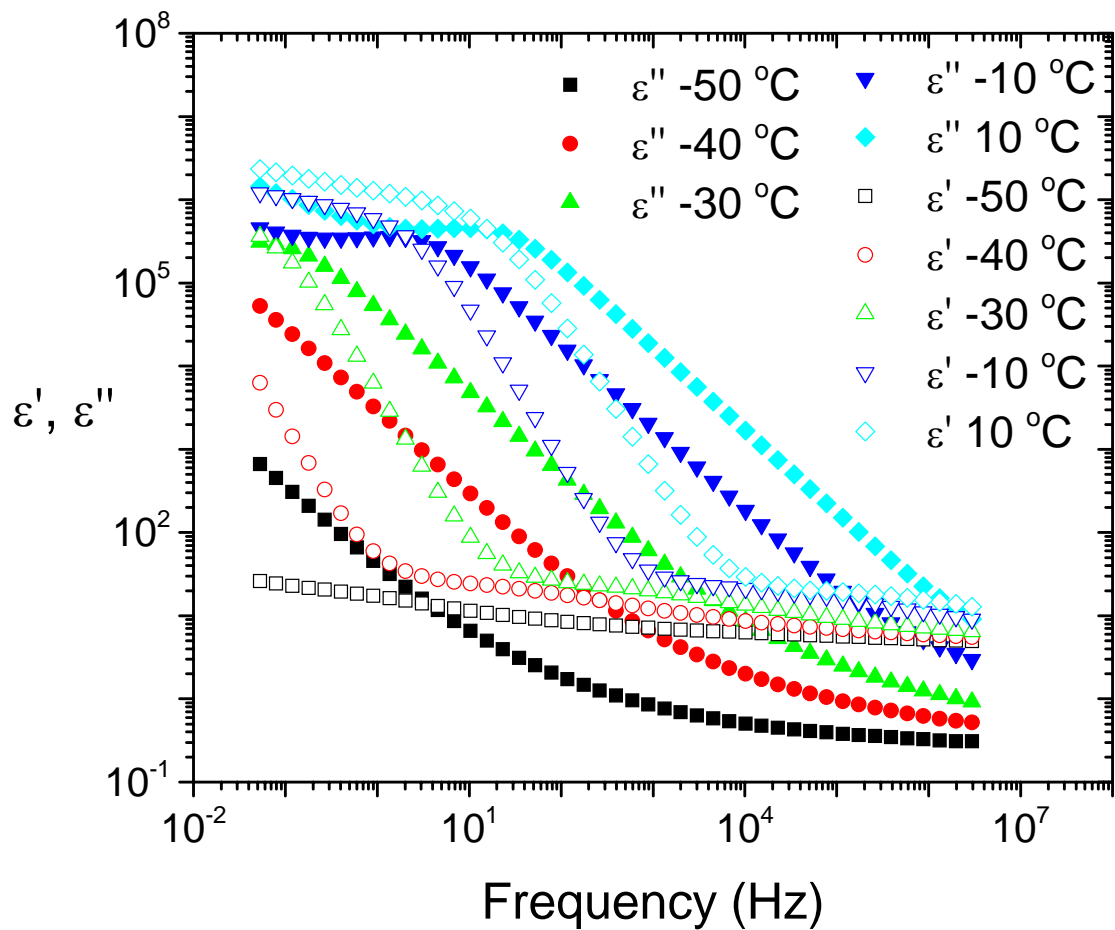
Dielectric constant and loss as a function of frequency across the temperature range of interest, for the ionomer with 17 mol % ions (I-17).

Supporting Information



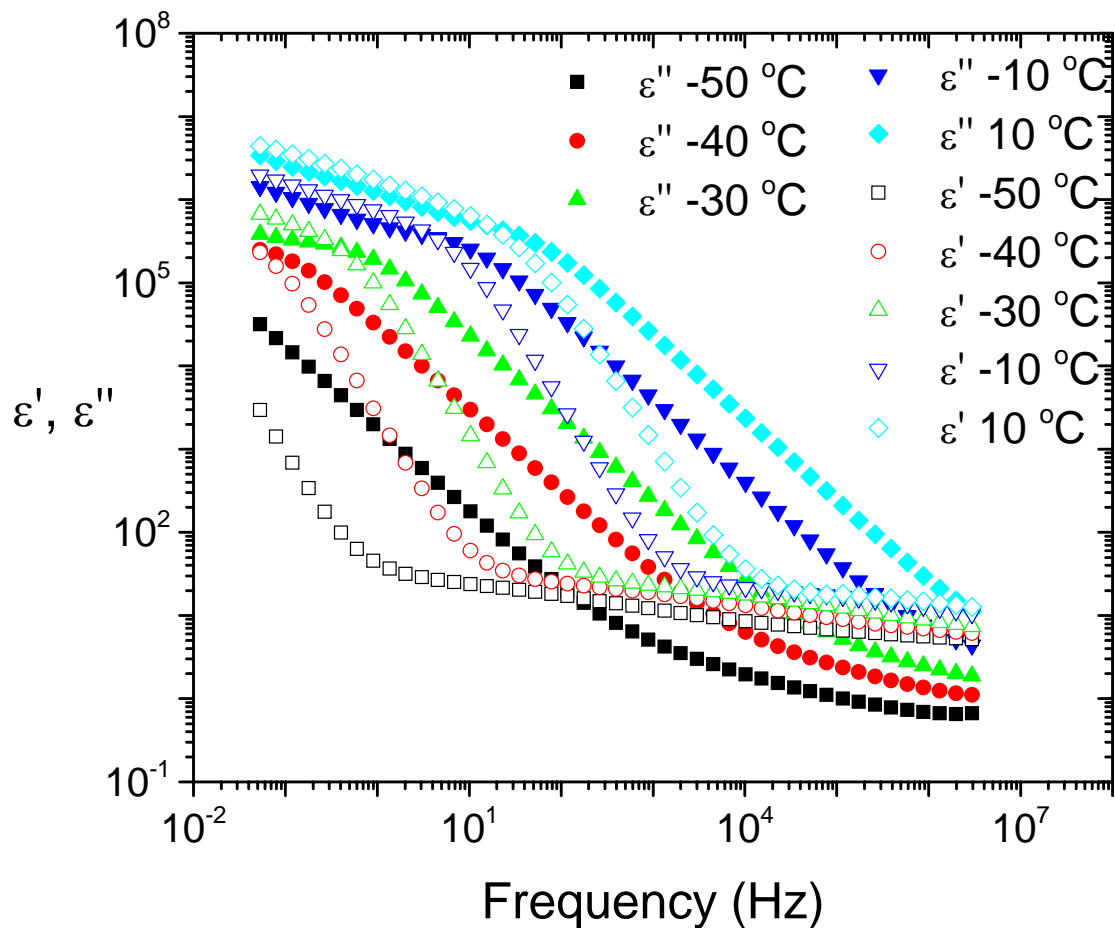
Dielectric constant and loss as a function of frequency across the temperature range of interest, for the ionomer with 9 mol % ions (I-9).

Supporting Information



Dielectric constant and loss as a function of frequency across the temperature range of interest, for the doped polymer with 15 mol % ions (D-15).

Supporting Information



Dielectric constant and loss as a function of frequency across the temperature range of interest, for the doped polymer with 10 mol % ions (I-10).