

Modeling Dielectric Properties at Radio Frequencies

To investigate the structure/property relationship polymers dielectric properties in radio frequency range, [molecular dynamics can be used](#) to evaluate a "Kirkwood" factor accounting for the polarizability of dipoles ultimately responsible for the dielectric response of the material at radio frequencies. Through a [thorough analysis of several polymeric structures](#), some [design rules for minimizing the dielectric loss of polymers](#) have been identified.

