

Essay For Quiz 1
Due Wednesday April 23

Part 1: 1.5 pages double spaced

Explain what "time-temperature superposition" means in the context of polymer viscoelasticity. Include a discussion of the shift factor, a_T . (You will need to look in a book like L. H. Sperling Introduction to Physical Polymer Science, or Heimenz Introduction to Polymer Chemistry or Strobl, Introduction to Polymer Science or it may be in Young and Lovell Introduction to Polymer Science. The internet could be some help.

Part 2: 1.5 pages double spaced

Explain the difference between the Maxwell and Voigt viscoelastic models. What are these models used to describe? You can use the same list of books or other books you can find in the library or Internet resources.

(Do not copy and paste text from the Internet, believe me I can tell when you do this. You need to paraphrase and cite your source for all information.)