

The provided reading materials cover the topics we discussed at the lecture but they are not identical in details with the lecture materials. The reason is that at the lecture we often focused on concepts rather than on details, so I used the most simplistic approaches to highlight these details. For this reason it is not expected that you learn the reading materials in its details but you should understand the concepts described in them. You are encouraged to use your lecture notes but the core material should be a sufficient replacement. The extra readings listed provide an outlook and details that help understanding for those who interested.

1-Intro_Polymers.pdf

Core material: 1.2, 1.3, 1.7.1 and 1.7.2 on p. 26

Extra reading: 1.4, 1.5, 1.6, the rest of 1.7.2, 1.7.3 and 1.8

2-PolymerCoils.pdf

Core material: 6.1, 6.2 (6.2.1)

Understand concepts but details are not required: 6.3, 6.4, 6.5, 6.7

Extra reading: 6.2.2, 6.2.3, 6.6, 6.7.1, 6.8

3-RubberElasticity.pdf

Core material: 10.1.1,10.3, 10.4.1, 10.4.2, 10.5

Understand concepts but details are not required: 6.3, 6.4, 6.5, 6.7

Extra reading: 10.1.2,

4-PolymerSolutions.pdf

Core material: 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.13

Extra reading: 8.9, 8.10, 8.11, 8.12