

## **E-344 Section 5: Polymers**

From:

**“Materials Science and Engineering: An Introduction,” 7<sup>th</sup> edition  
by William D. Callister  
John Wiley (2007) ISBN#-13: 978-0-471-73696-7**

Intro: page 8-10 on Polymers  
Section 14.1 Intro

Secondary Bonding  
Read 2.7 pp. 30-33

Chapter 14 sections 14.1 – 14.13 cover important topics.

We will revisit section 14.14 on diffusion later in the course.

Read sections 15.10 – 15.14 on melting, crystallization, and glass transition.

Skim sections 15.15-15.19 on the various types of polymers.

Read section 15.20 on polymer synthesis

Skim sections 15.21 – 15.24 on polymer additives and polymer processing.