

KJM-MENA 5555/9555

POLYMERER OG MAKROMOLEKYLER

- Text-book

J.M.G. Cowie, Valeria Arrighi: "Polymers: Chemistry & Physics of Modern Materials", 3rd edition

-Ch. 1: "Introduction" (1.1 – 1.13, cursory, 24 p)

-Ch. 3: "Free-Radical Addition Polymerization"

(3.1 – 3.24, 35 p)

-Ch. 6: "Polymer Stereochemistry" (6.1 – 6.6, 6.10, 11 p)

-Ch. 8: "Polymers in Solution" (8.1 – 8.12, 22 p)

-Ch. 9: "Polymer Characterization-Molar Masses"
(9.1 – 9.11, 20 p)

-Ch.10: "Polymer Characterization-Chain
Dimensions, Structures, and Morphology"
(10.1 - 10.5, 10.9.3, 11 p)

-Ch.11: "The Crystalline State and Partially Ordered
Structures"
(11.1-11.10, 19 p)

-Ch.12: "The Glassy State and Glass Transition"
(12.1-12.7, except 12.5.2 and 12.5.3, 17 p)

-Ch.13: "Rheology and Mechanical Properties"
(13.1-13.11, except 13.7.2, 13.7.3, and 13.10, 30 p)

-Ch.15: "Structure-Property Relations"
(15.1-15.17, except 15.4, 15.5, and 15.9-15.17, 12 p)

- Laboratory Manual (The laboratory exercises)

- Lecture Notes