

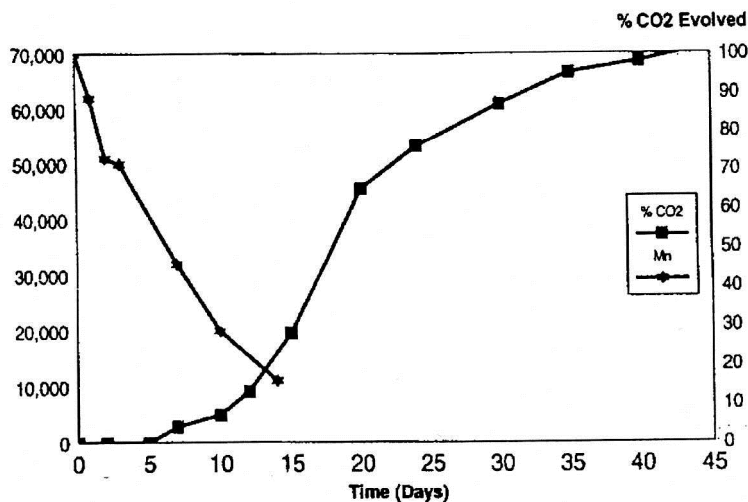


Aalto University  
School of Chemical  
Technology

## KE-100.4810 BIOPOLYMERS (3 cr)

Exam 25.5.2012

- Two most important properties of biodegradable polymer when it is going to be used for
  - Food packaging
  - Controlled drug release device
- Polyhydroxyalkanoates (structure, synthesis, properties and applications)
- Explain the different stages of degradation of PLA. You can use the figure below as an example.



- Give an example of a biodegradable copolymer and how the comonomer content affects the properties
- What needs to be considered when one wants to make a tissue engineering scaffold from a biodegradable polymer?