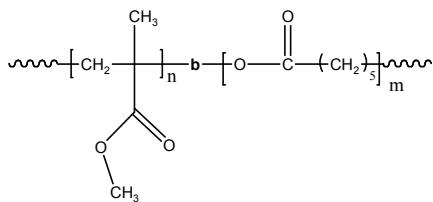


Sample Name: Poly(Methylmethacrylate-*b*- ϵ -caprolactone)

Sample #: P10467F8-MMACL

Structure:



Composition:

$M_n \times 10^3$ MMA- <i>b</i> -CL	M_w/M_n (PDI)
10.0- <i>b</i> -20.0	1.8

Synthesis Procedure:

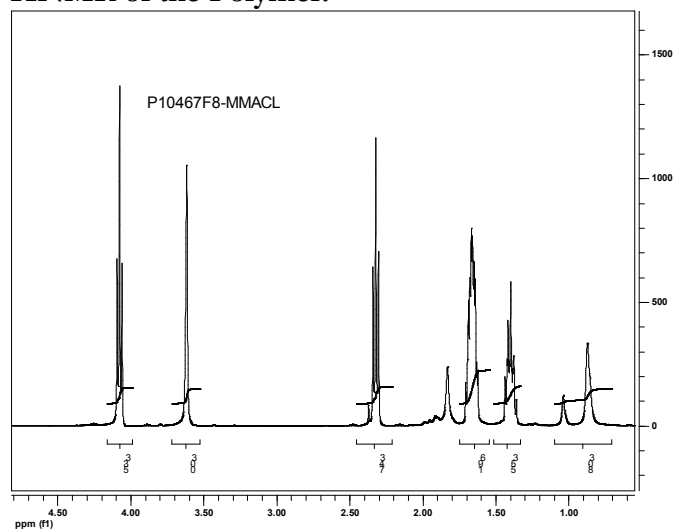
Polymer is prepared by anionic polymerization from OH terminated PMMA.

Characterization:Block copolymer composition was calculated from $^1\text{H-NMR}$ spectroscopy by comparing the peak area of the Methyl ester protons at 3.6 ppm with the peak area of ϵ -caprolactone protons at 4.1 ppm. Block copolymer PDI is determined by SEC.

Solubility:

Polymer is soluble in THF, Chloroform, DMF, and precipitated in methanol and hexanes.

$^1\text{H-NMR}$ of the Polymer:



SEC profile of the block copolymer:

P10467F8-MMACL

